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NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Golder Associates NC, Inc. on behalf of Henderson County

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

Name: Rachel P. Kirkman, P.G. Phone: 336-852-4903

E-mail: rkirkman@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 23-24, 2009

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.

Rachel P. Kirkman, P.G. — Facility Representative Name (Print)

Senior Project Geologist — Title

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

Rachel P. Kirkman — Signature

6-30-09 — Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1811 GEOLOGIST RACHEL P. KIRKMAN 6-30-09

Revised 10/2006

Golder Associates NC, Inc.

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Telephone (336) 852-4903
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June 30, 2009 Project No. 083-9650609.100

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

Attention: Ms. Jackie Drummond
Hydrogeologist

Re: Water Quality Monitoring Report, First Semi-Annual 2009 Sampling Event
Closed Henderson County Landfill, Permit No. 45-01
Hendersonville, North Carolina

Dear Ms. Drummond:

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 23-24, 2009, 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 closed MSW facility were analyzed for the NC Appendix II list of parameters. Groundwater 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, six inorganic constituents (barium, beryllium, cadmium, cobalt, mercury, and zinc) were detected in groundwater samples 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 2009 monitoring event. The reported mercury concentration in MW-8 was above the calculated facility background concentration and exceeded its NC 2L Groundwater Standard. The estimated concentration of vanadium in MW-8 exceeded its Solid Waste Section Groundwater Protection Standard (GWPS). No other NC Appendix I inorganic constituents were detected above their respective SWSLs in the monitoring wells of the MSW landfill.

Ten 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 2009 event. Of these, the following organic constituents were detected at concentrations that exceeded their respective NC 2L Standards: 1,4-dichlorobenzene in MW-7 and AMW-1D; methylene chloride

in MW-8; tetrachloroethene in MW-8 and MW-9; trichloroethene in MW-8, and vinyl chloride in MW-7, AMW-1D, and AMW-1S. These detections 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 in groundwater at the closed C&D landfill in samples from one or more downgradient monitoring wells at concentrations above their respective SWSLs. The concentrations of indicator parameters iron and manganese in all four monitoring wells (MW-10, MW-11, MW-12, and MW-13) at the C&D landfill exceeded their respective NC 2L Standards. Based on iron and manganese concentrations in the sample from background well MW-10, the concentrations of iron and manganese in samples from downgradient wells appear to be naturally occurring.

Two NC Appendix I VOCs (tetrachloroethene in MW-12 and trichlorofluoromethane in MW-12 and MW-13) were detected above their respective SWSLs during the March 2009 event at the C&D landfill. The concentration of tetrachloroethene in MW-12 exceeded its NC 2L Standard. The source of these constituents may be the closed TVA disposal area, rather than the C&D unit.

Silver was detected at estimated concentrations above its applicable surface water standards in surface water monitoring points BR-1, BR-2, BR-3, and SW-1, which 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 2009 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 2009. If you have any questions, please contact the undersigned at 336-852-4903.

Sincerely,
GOLDER ASSOCIATES NC, INC.

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

Rachel P. Kirkman, P.G.
Senior Project Geologist

Enclosure

Cc. Will Sagar, Solid Waste Division Manager, Henderson County, 802 Stoney Mountain Road, Hendersonville, NC 28791. 828-697-4505.

G:\Projects\Henderson County\GWMR\March 2009\Final First Semi-Annual 2009 HendersonCounty GW Event.doc

WATER QUALITY MONITORING REPORT
FIRST SEMI-ANNUAL 2009 SAMPLING EVENT

CLOSED HENDERSON COUNTY LANDFILL, PERMIT NO. 45-01
HENDERSON COUNTY, NORTH CAROLINA

JUNE 2009

PREPARED FOR:

HENDERSON COUNTY SOLID WASTE DIVISION
802 STONEY MOUNTAIN ROAD
HENDERSONVILLE, NORTH CAROLINA 28791

PREPARED BY:

GOLDER ASSOCIATES NC, INC.
4900 KOGER BOULEVARD, SUITE 140
GREENSBORO, NORTH CAROLINA 27407
PROJECT NO. 083-9650609.100

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1.0 INTRODUCTION

This report summarizes the monitoring results from the March 23-24, 2009, groundwater and surface water sampling and analysis event at the closed Henderson County Landfill in Henderson County (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 operates 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 facility operated under Permit No. 45-01, with the exception of the transfer station, which is operated under Permit No. 45-04T. 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 C&D landfill ceased accepting waste on June 30, 2008, and is in the closure process.

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 depot. 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 four downgradient monitoring wells (MW-6, MW-7, MW-8, and MW-9) 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 recently been analyzed for the NC Appendix I list of parameters plus selected parameters semi-annually,

which include phenolic compounds, naphthalene, and mercury. 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. Before the March 2009 monitoring event, the constituent list for the monitoring wells was revised to the NC Appendix II list for the first semi-annual event and the NC Appendix I list plus NC Appendix II detects during the second semi-annual event.

The County monitors water quality at the C&D facility by sampling one upgradient monitoring well (MW-10), and three downgradient monitoring wells (MW-11, MW-12, and MW-13) semi-annually. Samples from the wells have been analyzed for Resource Recovery and Conservation Act (RCRA) metals and NC Appendix I VOCs. In order to comply with the January 1, 2007, revision to the C&D Rules, the constituent list for the monitoring wells was revised to the NC Appendix I list plus mercury and indicator parameters for the March 2009 monitoring event.

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 2009 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 2009 groundwater surface contour map, the average hydraulic gradient in the shallow aquifer underlying the MSW landfill was calculated to be approximately 0.096 feet/foot (Table 2). The hydraulic gradient underlying the C&D landfill was calculated to be approximately 0.266 feet/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 83.7 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 232 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 can grossly overestimate groundwater velocity when applied to heterogeneous and/or anisotropic conditions.

2.0 FIELD PROGRAM, MONITORING RESULTS, AND DISCUSSION

Field activities conducted for the March 2009 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 2009 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 four downgradient monitoring wells (MW-6, MW-7, MW-8, and MW-9). Four assessment monitoring wells (AMW-1S, AMW-1D, AMW-2S, and AMW-2D) are also being 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, MW-9, 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 affect of the hydraulic discharge boundary.

2.3 March 2009 Groundwater and Surface Water Monitoring Event

Personnel from Golder visited the facility on March 23-24, 2009, to purge and sample the 13 monitoring wells at the closed MSW and C&D landfills and to sample 4 surface water monitoring points. Depth-to-water measurements were obtained from the monitoring wells to the nearest 0.01 foot using an electronic water level indicator prior to purging the wells.

Monitoring wells were purged and sampled with disposable bailers. 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. Well MW-5 was purged dry and allowed to recharge prior to collecting a groundwater sample.

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 I. 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 I. 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 24, 2009, 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, 2009, in good condition and properly preserved. Groundwater samples from the closed MSW facility were analyzed for the NC Appendix II list of parameters. Groundwater 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 2009 Sampling Results for the Closed MSW Landfill

Analytical results for the March 2009 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 II.

As presented, six NC Appendix I inorganic constituents (barium, beryllium, cadmium, cobalt, mercury, and zinc) were detected at concentrations above their respective Solid Waste Section Limits (SWSLs) in one or more downgradient monitoring wells during the March 2009 event. Ten NC Appendix I organic constituents (acetone; chlorobenzene; 1,4-dichlorobenzene; cis-1,2-dichloroethene; methylene chloride; tetrachloroethene; trichloroethene; trichlorofluoromethane; vinyl chloride; xylenes) were detected above their respective SWSLs in one or more downgradient monitoring wells during the March 2009 event.

As presented, four NC Appendix I inorganic constituents (barium, beryllium, cadmium, and zinc) were detected above their respective SWSLs in one or more surface water points during the March 2009 event. One organic constituent (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 2009 event.

2.6 March 2009 Sampling Results for the Closed C&D Landfill

Analytical results for the March 2009 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 II.

Four inorganic constituents (beryllium, iron, manganese, and zinc) were detected above their respective SWSLs in one or more downgradient monitoring wells during the March 2009 event. Two organic constituents (tetrachloroethene in MW-12 and trichlorofluoromethane in MW-12 and MW-13) were detected above their respective SWSLs during the event. The concentrations of tetrachloroethene and trichlorofluoromethane are similar to detections during recent events.

3.0 LABORATORY AND FIELD QA/QC

A field blank was collected by Golder personnel as part of the March 2009 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 2009 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.

Reviews of the laboratory data were performed by Golder personnel (Appendix II). After review, it was determined that di-n-butylphthalate and zinc were detected at estimated concentrations in the field blank. Thallium was detected at an estimated concentration in a laboratory method blank. Based on Golder's review, the concentrations of zinc in MW-5, MW-7, MW-9, MW-10, MW-11, MW-13, AMW-1S, AMW-1D, AMW-2S, BR-1, BR-2, and SW-1; and thallium concentrations in MW-5, MW-6, MW-7, MW-8, MW-12, and AMW-1S are considered blank-qualified (Tables 3, 4, and 5).

4.0 DATA EVALUATION

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

4.1 Statistical Evaluations

As discussed above, barium, beryllium, cadmium, cobalt, mercury, and zinc were detected above their respective SWSL during the March 2009 event in one or more downgradient wells of the MSW landfill. Pursuant to the requirements of 15A NCAC 13B.1634, the barium, beryllium, cadmium, cobalt, mercury, and zinc concentrations detected in the downgradient monitoring wells were statistically evaluated in accordance with the procedures outlined in 15A NCAC 13B.1632(g) and (h) to determine if the reported concentrations exceeded the facility background concentrations.

The statistical worksheets are presented as Appendix III. The concentration of mercury in monitoring well MW-8 was determined to be above its statistically determined background concentration. No other detections of NC Appendix I inorganic constituents were determined to be statistically significant.

As discussed above, beryllium, and zinc were detected above their respective SWSL during the March 2009 event in one or more downgradient wells of the C&D landfill. Pursuant to the requirements of 15A NCAC 13B.0544, the detections of inorganic constituents in downgradient wells of the C&D landfill were not statistically evaluated.

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 Standard (NC 2L Standard) or Solid Waste Section Groundwater Protection Standards (GWPS) at the MSW and C&D landfills during the March 23-24, 2009 monitoring event. At the MSW landfill, mercury exceeded its NC 2L Standard in the sample from MW-8. Vanadium exceeded its GWPS in MW-8, but was reported at an estimated concentration below its SWSL. No other NC Appendix I inorganic constituents exceeded their respective NC 2L Standard or GWPS during the March 2009 event.

Five of the ten organic constituents detected above their respective SWSLs in monitoring wells at the MSW landfill were detected at concentrations that exceeded their respective NC 2L Standard: 1,4-dichlorobenzene in MW-7 and AMW-1D; methylene chloride in MW-8; tetrachloroethene in MW-8 and MW-9; trichloroethene in MW-8; and vinyl chloride in MW-7, AMW-1D, and AMW-2S.

At the C&D landfill, three inorganic constituents exceeded their respective groundwater standards. Indicator parameters iron and manganese exceeded their respective NC 2L Standards in each monitoring well at the C&D facility. Due to the detection of the constituents in the upgradient well, they are considered to be naturally occurring. Vanadium was reported at an estimated concentration above its GWPS in MW-12 during the March 2009 event. One organic constituent (tetrachloroethene) was reported above its NC 2L Standard in MW-12 during the March 2009 event. This is the second event that tetrachloroethene has been detected above the SWSL in the well. Based on the location of the well, the tetrachloroethene may be associated with the TVA Landfill.

Silver was detected at estimated concentrations above its applicable surface water standards in BR-1, BR-2, BR-3, and SW-1, which is consistent with previous sampling events. No NC Appendix I organic constituents were detected above their applicable surface water standards in surface water monitoring points during the March 2009 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. The next compliance monitoring event for this facility is tentatively scheduled for September 2009.

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.*

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**
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
Date	**Static Water Elevation (ft AMSL)**												
10/4/2006	2334.31	2191.02	2191.61	2209.54	2244.64	--	--	--	--	2179.83	2176.67	--	--
3/21/2007	--	--	--	--	--	2371.42	2266.46	2250.25	2252.90	--	--	--	--
10/2/2007	2331.55	2188.19	2189.95	2207.85	2244.08	--	--	--	--	2176.63	2174.07	--	--
4/3/2008	2326.17	2190.65	2190.63	2209.61	2244.03	--	--	--	--	2180.41	2177.04	--	--
10/29/2008	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
3/24/2009	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
MEAN	*2326.69*	*2188.98*	*2190.07*	*2208.47*	*2243.50*	*2366.29*	*2260.51*	*2247.08*	*2247.77*	*2178.35*	*2175.48*	*2168.77*	*2171.49*
MAXIMUM	*2334.31*	*2191.02*	*2191.61*	*2209.61*	*2244.64*	*2371.42*	*2266.46*	*2250.25*	*2252.90*	*2180.41*	*2177.04*	*2169.29*	*2172.05*
MINIMUM	*2319.25*	*2186.73*	*2188.87*	*2206.91*	*2242.21*	*2363.04*	*2256.50*	*2244.43*	*2244.51*	*2175.87*	*2173.56*	*2168.25*	*2170.93*

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 2009							
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	W	952	2320 / 2220	0.1051	0.15	1.26E-04	91.53
i_2	SW	1377	2320 / 2200	0.0871	0.15	1.26E-04	75.92
i_3	WSW	376	2360 / 2260	0.2662	0.15	1.26E-04	231.93

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	12/5/94	6	ND	ND	ND	ND	ND	--	--	--	--	--
SWS GPS = 1.4 ug/L	ug/L	2/14/95	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	6	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	6	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	6	ND	ND	3	ND	ND	--	--	--	--	--
	ug/L	5/14/98	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	6	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	6	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	6	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	6	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	6	ND	ND	ND	ND	0.91 J	ND	ND	--	--	ND
	ug/L	10/2/07	6	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	12/5/94	10	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 50 ug/L	ug/L	2/14/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	10	ND	ND	ND	ND	ND	10.1	ND	--	--	--
	ug/L	4/9/03	10	ND	ND	ND	ND	ND	ND	11.1	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	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	5/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	10	ND	0.84 J	0.94 J	0.46 J	ND	1.13 J	ND	--	--	ND
	ug/L	10/2/07	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	10	ND	ND	ND	3.1 J	ND	ND	ND	ND	ND	ND
Barium	ug/L	12/5/94	100	134	237	378	528	207	--	--	--	--	--
NC 2L = 2000 ug/L	ug/L	2/14/95	100	ND	416	439	601	205	--	--	--	--	--
	ug/L	4/3/95	100	174	493	350	786	197	--	--	--	--	--
	ug/L	10/30/95	100	348	539	230	835	358	--	--	--	--	--
	ug/L	4/8/96	100	199	332	264	790	140	--	--	--	--	--
	ug/L	10/24/96	100	300	--	338	925	285	--	--	--	--	--
	ug/L	4/15/97	100	180	--	300	810	360	--	--	--	--	--
	ug/L	10/29/97	100	200	700	500	700	100	--	--	--	--	--
	ug/L	5/14/98	100	ND	ND	ND	628	ND	--	--	--	--	--
	ug/L	10/11/98	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	100	ND	ND	ND	552	ND	--	--	--	--	--
	ug/L	10/29/99	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	100	ND	ND	ND	ND	ND	258	--	--	--	--
	ug/L	11/7/00	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	100	ND	ND	ND	604	ND	--	--	--	--	--
	ug/L	10/16/01	100	ND	178	116	298	ND	--	ND	--	--	--
	ug/L	4/24/02	100	ND	ND	ND	642	ND	ND	ND	--	--	--
	ug/L	10/1/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	100	ND	ND	ND	522	ND	ND	ND	--	--	--
	ug/L	10/20/03	100	ND	ND	ND	720	ND	ND	ND	--	--	--
	ug/L	3/24/04	100	ND	ND	ND	829	ND	ND	ND	--	--	--
	ug/L	10/27/04	100	ND	530	ND	866	ND	ND	ND	--	--	--
	ug/L	5/25/05	100	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	100	ND	ND	ND	982	ND	ND	ND	--	--	--
	ug/L	4/25/06	100	ND	687	ND	822	ND	ND	ND	--	--	--
	ug/L	10/4/06	100	ND	562	ND	920	ND	ND	ND	--	--	ND
	ug/L	3/21/07	100	47.5 J	136	294	992	49.9 J	306	27.2 J	--	--	ND
	ug/L	10/2/07	100	135	904	198	695	54.3 B	563	37.4 B	--	--	16.1 J
	ug/L	4/3/08	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	3/24/09	100	26.2 J	54.5 J	203	517	56.7 J	221	19.0 J	15.4 J	ND	ND
Beryllium	ug/L	12/5/94	1	ND	ND	3	7	ND	--	--	--	--	--
SWS GPS = 4 ug/L	ug/L	2/14/95	1	ND	ND	4	5	ND	--	--	--	--	--
	ug/L	4/3/95	1	ND	2	3	9	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	5	ND	--	--	--	--	--
	ug/L	4/8/96	1	ND	ND	ND	4	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	4	ND	--	--	--	--	--
	ug/L	4/15/97	1	ND	--	ND	8	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	3	3	14	1	--	--	--	--	--
	ug/L	5/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	1	ND	ND	ND	2.4	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	1	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	1	4.2	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	1	ND	ND	ND	1.06 J	ND	5.1 J	ND	--	--	ND
	ug/L	10/2/07	1	ND	ND	ND	ND	22.8 B	ND	ND	--	--	6.01
	ug/L	4/3/08	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	3/24/09	1	0.35 J	0.20 J	0.82 J	3.02	0.35 J	1.30	ND	0.18 J	ND	ND

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	12/5/94	1	ND	ND	22	ND	ND	--	--	--	--	--
NC 2L = 1.75 ug/L	ug/L	2/14/95	1	ND	ND	3	ND	ND	--	--	--	--	--
	ug/L	4/3/95	1	ND	ND	1	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	9	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	1	ND	5.6	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	1.2	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	1	ND	2.3	1.7	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	1	ND	15	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	1	ND	3.2	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	2	--	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	1	ND	2	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	1	ND	2	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	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	3/24/04	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	5/25/05	1	ND	1.9	1.02	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	1	ND	ND	1.39	ND	ND	2.57	ND	--	--	--
	ug/L	4/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	1	ND	1.73 J	1.27	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	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	10/2/07	1	ND	ND	1.63	0.4 J	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	0.22 J	0.18 J	1.06	ND	0.61 J	ND	ND	ND	ND
Chromium	ug/L	12/5/94	10	ND	ND	56	ND	ND	--	--	--	--	--
NC 2L = 50 ug/L	ug/L	2/14/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	11	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	10	5	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	10	3	--	ND	2	2	--	--	--	--	--
	ug/L	10/29/97	10	3	8	2	2	1	--	--	--	--	--
	ug/L	5/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	10	ND	20.1	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	10	ND	14.9	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	10	ND	11.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	10	ND	11.3	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	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	10/2/07	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	4/3/08	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	3/24/09	10	ND	1.0 J	1.6 J	4.0 J	ND	1.2 J	ND	ND	1.5 J	ND
Cobalt	ug/L	12/5/94	10	ND	41	ND	ND	ND	--	--	--	--	--
SWS GPS = 70 ug/L	ug/L	2/14/95	10	ND	48	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	10	ND	38	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	ND	34	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	10	ND	32	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	10	2	--	19	2	3	--	--	--	--	--
	ug/L	10/29/97	10	ND	19	7	ND	ND	--	--	--	--	--
	ug/L	5/14/98	10	ND	53.4	17.3	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	10	ND	52.3	11.5	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	10	ND	ND	12.5	ND	ND	14.3	--	--	--	--
	ug/L	11/7/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	10	ND	14	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	10	ND	17.9	ND	ND	ND	16.1	ND	--	--	--
	ug/L	10/1/02	10	ND	11.4	ND	ND	ND	11.7	ND	--	--	--
	ug/L	4/9/03	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	3/24/04	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	5/25/05	10	ND	35.5	16.8	--	ND	13.4	ND	--	--	--
	ug/L	10/4/05	10	ND	23.5	16.2	ND	ND	16.1	ND	--	--	--
	ug/L	4/25/06	10	ND	18.8	13.9	ND	ND	16.1	ND	--	--	--
	ug/L	10/4/06	10	ND	15.4	13.4	ND	ND	18.9	ND	--	--	ND
	ug/L	3/21/07	10	1.13 J	11.3	12.6	1.5 J	ND	16.2	ND	--	--	ND
	ug/L	10/2/07	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	10	0.6 J	3.1 J	ND	5.8 J	ND	10.7	ND	4.0 J	ND	ND
Copper	ug/L	12/5/94	10	ND	ND	19	ND	ND	--	--	--	--	--
NC 2L = 1000 ug/L	ug/L	2/14/95	10	10	ND	ND	ND	16	--	--	--	--	--
	ug/L	4/3/95	10	ND	ND	13	12	14	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	13	--	ND	ND	10	--	--	--	--	--
	ug/L	4/15/97	10	20	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	10	20	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	10	12.4	12.8	4.23 J	5.28 J	9.92 J	5.41 J	5.15 J	--	--	ND
	ug/L	10/2/07	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	4/3/08	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	3/24/09	10	2.32 J	4.96 J	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 3

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	Upgradient Well	Downgradient Wells								Blanks
				MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
Lead	ug/L	12/5/94	10	ND	7	27	7	ND	--	--	--	--	--
NC 2L = 15 ug/L	ug/L	2/14/95	10	ND	10	5	ND	ND	--	--	--	--	--
	ug/L	4/3/95	10	ND	12	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	7	19	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	10	ND	6	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	8	--	7	ND	13	--	--	--	--	--
	ug/L	4/15/97	10	13	--	ND	12	12	--	--	--	--	--
	ug/L	10/29/97	10	9	36	5	11	ND	--	--	--	--	--
	ug/L	5/14/98	10	ND	14.4	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	10	ND	11.9	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	10	24	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	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	5/25/05	10	ND	11.9	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	10	ND	12.7	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	10	ND	6.56 J	3.69 J	ND	1.9 J	3.14 J	ND	--	--	ND
	ug/L	10/2/07	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	4/3/08	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	3/24/09	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
Mercury	ug/L	12/5/94	0.2	--	--	--	--	--	--	--	--	--	--
NC 2L = 1.05 ug/L	ug/L	2/14/95	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	4/3/95	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	0.2	0.5	ND	0.9	0.9	0.8	--	--	--	--	--
	ug/L	4/8/96	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	0.2	0.7	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	0.2	ND	ND	1.9	0.8	ND	--	--	--	--	--
	ug/L	5/14/98	0.2	ND	ND	2	0.2	ND	--	--	--	--	--
	ug/L	10/11/98	0.2	ND	ND	ND	0.2	ND	--	--	--	--	--
	ug/L	6/4/99	0.2	ND	ND	0.5	ND	ND	--	--	--	--	--
	ug/L	10/29/99	0.2	ND	ND	0.4	ND	ND	--	--	--	--	--
	ug/L	4/20/00	0.2	ND	ND	1.0	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	0.2	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	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	4/24/02	0.2	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	0.2	ND	ND	0.3	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	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	3/24/04	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	5/25/05	0.2	ND	ND	0.72	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	0.2	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	0.2	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	0.2	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	0.2	ND	ND	0.134 J	0.242 J	ND	ND	ND	--	--	ND
	ug/L	10/2/07	0.2	ND	ND	ND	0.709	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	0.2	ND	ND	ND	1.33	0.14 J	ND	ND	ND	ND	ND
Nickel	ug/L	12/5/94	50	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 100 ug/L	ug/L	2/14/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	50	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	50	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	50	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	50	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	50	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	50	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	50	ND	1.61 J	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	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	4/3/08	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	3/24/09	50	ND	3.9 J	ND	2.8 J	ND	2.5 J	0.9 J	2.2 J	ND	ND
Selenium	ug/L	12/5/94	10	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 50 ug/L	ug/L	2/14/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	10	ND	61.1	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	10	ND	24.7	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	20.6	--	--	--
	ug/L	4/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	10	ND	25.3	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	10	ND	26.6	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	10	ND	23.4	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	10	9.46 J	23.4	10.7 J	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	10	ND	7.49 J	ND	11.1	8.68 J	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 3

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

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	12/5/94	10	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 17.5 ug/L	ug/L	2/14/95	10	ND	ND	ND	ND	11	--	--	--	--	--
	ug/L	4/3/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	10	0.9	--	0.9	0.7	0.3	--	--	--	--	--
	ug/L	10/29/97	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	10	ND	11.3	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	10	ND	0.64 J	3.42 J	0.5 J	3.18 J	1.14 J	0.46 J	--	--	ND
	ug/L	10/2/07	10	ND	1.82 J	0.91 J	ND	ND	0.86 J	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	12/5/94	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 0.28 ug/L	ug/L	2/14/95	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5.5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5.5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5.5	1	1	1	1	2	--	--	--	--	--
	ug/L	5/14/98	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	5.5	13.7	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/21/01	5.5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5.5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	5.5	ND	22.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	5.5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	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	3/24/04	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	5/25/05	5.5	ND	77.1	22	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	5.5	ND	58.5	54.6	17.8	ND	ND	ND	--	--	--
	ug/L	4/25/06	5.5	ND	81.3	24.2	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	5.5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	5.5	ND	ND	24	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	5.5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	5.5	0.051 B	0.090 B	0.080 B	0.242 B	ND	0.280 B	ND	ND	ND	0.092 J
Tin	ug/L	12/5/94	--	--	--	--	--	--	--	--	--	--	--
No Standard	ug/L	2/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/3/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/11/98	--	--	--	--	--	--	--	--	--	--	--
	ug/L	6/4/99	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/99	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/20/00	--	--	--	--	--	--	--	--	--	--	--
	ug/L	11/7/00	--	--	--	--	--	--	--	--	--	--	--
	ug/L	5/15/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/16/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/24/02	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/1/02	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/9/03	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/20/03	--	--	--	--	--	--	--	--	--	--	--
	ug/L	3/24/04	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/27/04	--	--	--	--	--	--	--	--	--	--	--
	ug/L	5/25/05	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/4/05	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/25/06	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/4/06	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	3/21/07	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	10/2/07	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	4/3/08	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	10/29/08	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	3/24/09	100	ND	ND	1.4 J	5.4 J	ND	1.3 J	2.0 J	1.5 J	ND	ND
Vanadium	ug/L	12/5/94	25	ND	ND	ND	ND	ND	--	--	--	--	--
SWS GPS = 3.5 ug/L	ug/L	2/14/95	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	25	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	25	13	--	ND	5	6	--	--	--	--	--
	ug/L	10/29/97	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	25	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	25	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	25	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	25	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	25	3.81 J	4.21 J	ND	1.31 J	ND	ND	ND	--	--	ND
	ug/L	10/2/07	25	17.1 J	12.9 J	5.6 J	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	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

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	
Zinc	ug/L	12/5/94	10	21	ND	33	20	82	--	--	--	--	--
NC 2L = 1050 ug/L	ug/L	2/14/95	10	33	44	29	69	113	--	--	--	--	--
	ug/L	4/3/95	10	29	48	26	29	20	--	--	--	--	--
	ug/L	10/30/95	10	25	30	ND	ND	23	--	--	--	--	--
	ug/L	4/8/96	10	44	63	22	67	36	--	--	--	--	--
	ug/L	10/24/96	10	37	--	22	18	39	--	--	--	--	--
	ug/L	4/15/97	10	50	--	50	30	40	--	--	--	--	--
	ug/L	10/29/97	10	ND	340	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	10	ND	ND	ND	ND	ND	20.6	--	--	--	--
	ug/L	11/7/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	10	15.6 J	124	6.92 J	10.1 J	7.14 J	12.1 J	3.82 J	--	--	ND
	ug/L	10/2/07	10	44	49.1	12.6 J	5.43 J	4.53 J	6.23 J	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	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
Acetone	ug/L	12/5/94	100	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 700 ug/L	ug/L	2/14/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	100	ND	50	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	100	ND	98	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	100	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	100	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	100	ND	95	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	100	ND	330	ND	ND	ND	--	--	--	--	--
	ug/L	11/11/98	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	100	ND	780	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	100	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	100	ND	190	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	100	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/25/02	100	ND	190	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	100	ND	280	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/21/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/25/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	100	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/6/05	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/26/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/22/07	100	ND	ND	4.34 J	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	100	ND	9.81 B	ND	ND	ND	1.76 B	ND	--	--	5.5 J
	ug/L	4/3/08	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	3/24/09	100	ND	280	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	12/5/94	200	ND	ND	ND	ND	ND	--	--	--	--	--
No Standard	ug/L	2/14/95	200	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	200	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	200	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	200	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	200	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	200	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	200	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	200	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	200	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	200	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	200	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	200	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	200	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	200	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	200	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	200	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	200	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	200	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	200	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	200	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	200	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	200	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	200	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	200	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	200	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	200	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	200	ND	ND	ND	17.9 J	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	12/5/94	5	ND	11	ND	ND	ND	--	--	--	--	--
NC 2L = 1 ug/L	ug/L	2/14/95	5	ND	11	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	5	ND	8	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	5	ND	9	3.9	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	5	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5	ND	--	6.9	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	5	6	ND	ND	--	--	--	--	--
	ug/L	5/14/98	5	ND	8	6	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	7	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5	ND	8	6	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	5	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	5	ND	6	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	7	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	5	ND	6	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	7.19	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	5	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	5	ND	7.61	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	5	ND	6.23	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	5	ND	6.8	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	5	ND	1.36	2.48	3.55	ND	0.44 J	1.52	--	--	ND
	ug/L	10/2/07	5	ND	5.47	1.70	4.99	ND	1.68	1.55	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	ND	ND	0.64 J	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	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	2/14/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 700 ug/L	ug/L	4/3/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	12/5/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	100	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	100	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	100	ND	15	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	100	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	100	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	100	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	100	ND	ND	ND	0.14 J	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ug/L	2/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 0.269 ug/L	ug/L	4/3/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	12/5/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	1	ND	ND	ND	2	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	1	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	12/5/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 50 ug/L	ug/L	2/14/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	7	3	ND	ND	--	--	--	--	--
	ug/L	5/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	8	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5	ND	7	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	5	ND	ND	ND	ND	ND	8	--	--	--	--
	ug/L	11/7/00	5	ND	7	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	5	ND	6	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	7	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	5	ND	6	ND	ND	ND	7	ND	--	--	--
	ug/L	10/1/02	5	ND	8	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	5	ND	ND	ND	ND	ND	6	ND	--	--	--
	ug/L	10/20/03	5	ND	10	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	5	ND	11	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	13	5	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	5	ND	ND	6	--	ND	6.12	ND	--	--	--
	ug/L	10/4/05	5	ND	13.4	6	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	5	ND	10.8	6.02	ND	ND	9.62	ND	--	--	--
	ug/L	10/4/06	5	ND	9	6	ND	ND	16.2	ND	--	--	ND
	ug/L	3/21/07	5	ND	1.34	5.89	0.59 J	ND	2.83	4.62	--	--	ND
	ug/L	10/2/07	5	ND	6.16	5.95	0.83 J	ND	ND	5.13	--	--	ND
	ug/L	4/3/08	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	3/24/09	3	ND	ND	4.6	ND	ND	0.46 J	3.8	2.0 J	ND	ND
Chloroethane	ug/L	12/5/94	10	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 2800 ug/L	ug/L	2/14/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	10	ND	2	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	10	ND	0.85 J	ND	0.69 J	ND	11.1	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 3

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

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	
1,2-Dichlorobenzene	ug/L	12/5/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 24 ug/L	ug/L	2/14/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	1	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	5	ND	ND	14	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	5	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	7	ND	6	ND	ND	ND	--	--	--
	ug/L	3/24/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	6	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	5	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	5	ND	12	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	5	ND	10	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	5	ND	10	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	5	ND	0.39 J	ND	0.97 J	ND	ND	0.62 J	--	--	ND
	ug/L	10/2/07	5	ND	2.52 J	0.56 J	0.94 J	ND	0.44 J	0.67 J	--	--	ND
	ug/L	4/3/08	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	3/24/09	5	ND	ND	ND	0.44 J	ND	ND	0.53 J	ND	ND	ND
1,3-Dichlorobenzene	ug/L	12/5/94	5	--	--	--	--	--	--	--	--	--	--
NC 2L = 170 ug/L	ug/L	2/14/95	5	--	--	--	--	--	--	--	--	--	--
	ug/L	4/3/95	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	9	ND	ND	--	--	--	--	--
	ug/L	5/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/99	5	--	--	--	--	--	--	--	--	--	--
	ug/L	4/20/00	5	--	--	--	--	--	--	--	--	--	--
	ug/L	11/7/00	5	--	--	--	--	--	--	--	--	--	--
	ug/L	5/15/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/16/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	4/24/02	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/1/02	5	--	--	--	--	--	--	--	--	--	--
	ug/L	4/9/03	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/20/03	5	--	--	--	--	--	--	--	--	--	--
	ug/L	3/24/04	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/27/04	5	--	--	--	--	--	--	--	--	--	--
	ug/L	5/25/05	5	--	--	--	--	ND	--	--	--	--	--
	ug/L	10/4/05	5	ND	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	5	ND	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	12/5/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 1.4 ug/L	ug/L	2/14/95	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	5	ND	11	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	10	5	ND	ND	--	--	--	--	--
	ug/L	4/8/96	5	ND	--	9	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	8	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5	ND	--	24	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	9	10	ND	ND	--	--	--	--	--
	ug/L	5/14/98	5	ND	18	22	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	18	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5	ND	18	10	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	7	ND	ND	--	--	--	--	--
	ug/L	4/20/00	5	ND	5	18	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	5	ND	ND	8	ND	ND	--	--	--	--	--
	ug/L	5/15/01	5	ND	14	6	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	12	7	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	5	ND	18	8	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	5	ND	14	9	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	5	ND	ND	12	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	23	13	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	20	19	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	5	ND	ND	17.8	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	5	ND	25.4	17	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	5	ND	24.3	16.4	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	5	ND	18.5	14.6	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	5	ND	1.67	17.1	2.79	ND	1.37	2.86	--	--	ND
	ug/L	10/2/07	5	ND	18.7	12.0	3.64	ND	3.24	2.99 J	--	--	ND
	ug/L	4/3/08	5	ND	0.38 J	8.37	4.50	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	ND	4.11	2.96	1.66	ND	ND
	ug/L	3/24/09	1	ND	ND	6.4	1.3	ND	0.57 J	2.6	1.4	ND	ND
Dichlorodifluoromethane	ug/L	12/5/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 1400 ug/L	ug/L	2/14/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	5	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	5	ND	ND	ND	--	--	ND	ND	--	--	--
	ug/L	10/4/05	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	5	ND	ND	ND	ND	ND	ND	0.55 J	0.86 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	
1,1-Dichloroethane	ug/L	12/5/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 70 ug/L	ug/L	2/14/95	5	ND	ND	9	ND	ND	--	--	--	--	--
	ug/L	4/3/95	5	ND	--	7	ND	--	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	10	ND	ND	--	--	--	--	--
	ug/L	4/8/96	5	ND	ND	6	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	8	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	1	7	ND	1	--	--	--	--	--
	ug/L	5/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	6	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5	ND	ND	5	6	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	5	ND	ND	ND	5	ND	ND	--	--	--	--
	ug/L	11/7/00	5	ND	ND	ND	6	ND	--	--	--	--	--
	ug/L	5/15/01	5	ND	ND	ND	14	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	11	ND	--	ND	--	--	--
	ug/L	4/24/02	5	ND	ND	ND	25	ND	ND	ND	--	--	--
	ug/L	10/1/02	5	ND	ND	ND	17	ND	ND	ND	--	--	--
	ug/L	4/9/03	5	ND	ND	ND	24	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	18	ND	ND	ND	--	--	--
	ug/L	3/24/04	5	ND	ND	ND	10	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	13	ND	ND	ND	--	--	--
	ug/L	5/25/05	5	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	5	ND	ND	ND	6	ND	ND	ND	--	--	ND
	ug/L	3/21/07	5	ND	ND	1.69	7.8	ND	ND	1.31	--	--	ND
	ug/L	10/2/07	5	ND	0.45 J	1.66 J	9.7	ND	0.1 J	1.27 J	--	--	ND
	ug/L	4/3/08	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	3/24/09	5	ND	ND	0.83 J	3.6 J	ND	ND	1.2 J	1.1 J	ND	ND
1,2-Dichloroethane	ug/L	12/5/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 0.38 ug/L	ug/L	2/14/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	5	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	5	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	3	ND	0.45 J	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	12/5/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 7 ug/L	ug/L	2/14/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	5	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	5	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	5	ND	ND	ND	0.33 J	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	12/5/94	5	ND	--	24	11	ND	--	--	--	--	--
NC 2L = 70 ug/L	ug/L	2/14/95	5	ND	9	ND	8	ND	--	--	--	--	--
	ug/L	4/3/95	5	ND	7	17	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	10	25	10	ND	--	--	--	--	--
	ug/L	4/8/96	5	ND	7	17	7	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	21	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5	ND	--	14	15	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	4	20	3	6	--	--	--	--	--
	ug/L	5/14/98	5	ND	ND	14	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	21	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5	ND	6	17	ND	12	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	17	ND	26	--	--	--	--	--
	ug/L	4/20/00	5	ND	ND	13	ND	16	ND	--	--	--	--
	ug/L	11/7/00	5	ND	ND	15	ND	12	--	--	--	--	--
	ug/L	5/15/01	5	ND	ND	14	7	8	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	13	ND	10	--	ND	--	--	--
	ug/L	4/24/02	5	ND	ND	15	11	6	ND	ND	--	--	--
	ug/L	10/1/02	5	ND	ND	12	7	ND	ND	ND	--	--	--
	ug/L	4/9/03	5	ND	ND	11	18	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	11	22	ND	ND	ND	--	--	--
	ug/L	3/24/04	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	5/25/05	5	ND	ND	10.6	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	5	ND	ND	12.1	12.8	ND	ND	ND	--	--	--
	ug/L	4/25/06	5	ND	ND	12.8	12.3	ND	ND	ND	--	--	--
	ug/L	10/4/06	5	ND	ND	14.2	15.7	ND	ND	ND	--	--	ND
	ug/L	3/21/07	5	ND	0.48 J	12.7	22.1	ND	ND	2.3	--	--	ND
	ug/L	10/2/07	5	ND	1.19 J	12.4 J	23.9 J	ND	0.71 J	2.14 J	--	--	ND
	ug/L	4/3/08	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	3/24/09	5	ND	ND	4.9 J	7.4	ND	ND	1.7 J	1.7 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	
trans-1,2-Dichloroethene	ug/L	12/5/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 100 ug/L	ug/L	2/14/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	5	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	5	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	5	ND	ND	0.50 J	0.22 J	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	12/5/94	1	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 0.51 ug/L	ug/L	2/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	1	ND	ND	--	--	--	--	--
	ug/L	5/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	1	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	1	ND	0.2 J	0.65 J	0.5 J	ND	ND	0.17 J	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	12/5/94	1	ND	11	ND	ND	ND	--	--	--	--	--
NC 2L = 550 ug/L	ug/L	2/14/95	1	ND	14	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	1	ND	8	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	10	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	1	ND	9	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	3	ND	2	ND	--	--	--	--	--
	ug/L	5/14/98	1	ND	8	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	1	ND	11	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	1	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	1	ND	9	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	22.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	1	ND	28	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	1	ND	12.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	1	ND	15.7	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	1	ND	0.96 J	ND	1.04	ND	ND	ND	--	--	ND
	ug/L	10/2/07	1	ND	3.46	ND	1.24 J	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	12/5/94	50	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 280 ug/L	ug/L	2/14/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	50	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	50	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	50	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	50	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	50	ND	55	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	50	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	50	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	50	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	50	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 3

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

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	
Dibromomethane	ug/L	12/5/94	10	ND	ND	ND	ND	ND	--	--	--	--	--
No Standard	ug/L	2/14/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ug/L	12/5/94	10	ND	ND	ND	7	ND	--	--	--	--	--
NC 2L = 4.6 ug/L	ug/L	2/14/95	10	--	--	--	--	--	--	--	--	--	--
	ug/L	4/3/95	10	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	10	ND	ND	--	--	--	--	--
	ug/L	4/8/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	9	ND	ND	--	--	--	--	--
	ug/L	4/15/97	10	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	10	ND	ND	ND	ND	1	--	--	--	--	--
	ug/L	5/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	10	ND	ND	ND	52	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	38	ND	--	ND	--	--	--
	ug/L	4/24/02	10	ND	ND	ND	87	ND	ND	ND	--	--	--
	ug/L	10/1/02	10	ND	ND	ND	44	ND	ND	ND	--	--	--
	ug/L	4/9/03	10	ND	ND	ND	54	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	27	ND	ND	ND	--	--	--
	ug/L	3/24/04	10	ND	ND	ND	30	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	42.1	ND	ND	ND	--	--	--
	ug/L	5/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	10	ND	ND	ND	13.4	ND	ND	ND	--	--	--
	ug/L	4/25/06	10	ND	ND	ND	13.9	ND	ND	ND	--	--	--
	ug/L	10/4/06	10	ND	ND	ND	15.1	ND	ND	ND	--	--	ND
	ug/L	3/21/07	10	ND	ND	0.35 J	23.3	ND	ND	0.24 J	--	--	ND
	ug/L	10/2/07	10	ND	0.57 B	ND	22.0	ND	ND	ND	--	--	0.41 J
	ug/L	4/3/08	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	3/24/09	1	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	12/5/94	100	ND	10	ND	ND	ND	--	--	--	--	--
NC 2L = 4200 ug/L	ug/L	2/14/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	100	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	100	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	100	ND	46	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	100	ND	220	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	100	ND	670	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	100	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	100	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	100	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ug/L	12/5/94	50	ND	16	ND	ND	ND	--	--	--	--	--
SWS GPS = 560 ug/L	ug/L	2/14/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	50	ND	20	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	50	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	50	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	100	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	100	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	100	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 3

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

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	
Naphthalene	ug/L	12/5/94	5	--	--	--	--	--	--	--	--	--	--
NC 2L = 21 ug/L	ug/L	2/14/95	5	--	--	--	--	--	--	--	--	--	--
	ug/L	4/3/95	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	5	--	2	--	--	--	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	2	ND	ND	--	--	--	--	--
	ug/L	5/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	9	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	10	ND	7	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	7	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	6	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	10	ND	8	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	10	ND	6	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	10	ND	6	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	10	ND	ND	0.66 J	0.57 J	ND	ND	ND	--	--	ND
	ug/L	10/2/07	10	ND	3.04	1.49	0.75	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	10	ND	ND	ND	0.55 J	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ug/L	12/5/94	1	ND	ND	6.6	9	ND	--	--	--	--	--
NC 2L = 0.7 ug/L	ug/L	2/14/95	1	ND	ND	7	7	6	--	--	--	--	--
	ug/L	4/3/95	1	ND	ND	6.3	ND	6	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	5	--	--	--	--	--
	ug/L	4/8/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	9	--	--	--	--	--
	ug/L	4/15/97	1	ND	--	ND	15	16	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	4	4	16	--	--	--	--	--
	ug/L	5/14/98	1	ND	ND	ND	19	13	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	15	15	--	--	--	--	--
	ug/L	6/4/99	1	ND	ND	ND	44	27	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	27	31	--	--	--	--	--
	ug/L	4/20/00	1	ND	ND	ND	69	30	ND	--	--	--	--
	ug/L	11/7/00	1	ND	ND	ND	54	36	--	--	--	--	--
	ug/L	5/15/01	1	ND	ND	ND	110	24	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	44	11	--	ND	--	--	--
	ug/L	4/24/02	1	ND	ND	ND	170	24	ND	ND	--	--	--
	ug/L	10/1/02	1	ND	ND	ND	110	20	ND	ND	--	--	--
	ug/L	4/9/03	1	ND	ND	ND	120	11	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	61	8	ND	ND	--	--	--
	ug/L	3/24/04	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	5/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	1	ND	ND	ND	16.2	ND	ND	ND	--	--	--
	ug/L	4/25/06	1	ND	ND	ND	10	ND	ND	ND	--	--	--
	ug/L	10/4/06	1	ND	ND	ND	21	ND	ND	ND	--	--	ND
	ug/L	3/21/07	1	ND	ND	ND	28.8	2.17	ND	ND	--	--	ND
	ug/L	10/2/07	1	ND	ND	ND	42.1	1.79 J	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	ND	ND	8.7	2.7	ND	ND	ND	ND	ND
Toluene	ug/L	12/5/94	1	ND	5	ND	ND	ND	--	--	--	--	--
NC 2L = 1000 ug/L	ug/L	2/14/95	1	ND	7	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	9	ND	--	--	--	--	--
	ug/L	4/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	1	ND	150	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	1	ND	59	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	1	ND	11	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	5	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	1	ND	878	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	1220	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	1	ND	132	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	1	ND	16	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	1	ND	12	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	1	ND	0.3 J	ND	1.05	ND	ND	ND	--	--	ND
	ug/L	10/2/07	1	ND	1.08 J	0.11 J	1.62 J	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	12/5/94	1	ND	ND	--	ND	--	--	--	--	--	--
NC 2L = 200 ug/L	ug/L	2/14/95	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	4/3/95	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	4/8/96	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	--	ND	--	--	--	--	--	--
	ug/L	4/15/97	1	ND	--	--	ND	--	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	5/14/98	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	6/4/99	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	4/20/00	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	11/7/00	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	5/15/01	1	ND	ND	--	6	--	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	--	6	--	--	--	--	--	--
	ug/L	4/24/02	1	ND	ND	--	9	--	--	--	--	--	--
	ug/L	10/1/02	1	ND	ND	--	5	--	--	--	--	--	--
	ug/L	4/9/03	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/20/03	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	3/24/04	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/27/04	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	5/25/05	1	ND	ND	--	--	ND	--	--	--	--	--
	ug/L	10/4/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	1	ND	ND	ND	0.18 J	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 3

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

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	
Trichloroethene	ug/L	12/5/94	1	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 2.8 ug/L	ug/L	2/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	2	ND	2	--	--	--	--	--
	ug/L	5/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	1	ND	ND	ND	6	ND	ND	--	--	--	--
	ug/L	11/7/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	1	ND	ND	ND	14	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	8	ND	--	--	--	--	--
	ug/L	4/24/02	1	ND	ND	ND	20	ND	ND	--	--	--	--
	ug/L	10/1/02	1	ND	ND	ND	13	ND	ND	--	--	--	--
	ug/L	4/9/03	1	ND	ND	ND	27	ND	ND	--	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	26	ND	ND	--	--	--	--
	ug/L	3/24/04	1	ND	ND	ND	13	ND	ND	--	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	17.5	ND	ND	--	--	--	--
	ug/L	5/25/05	1	ND	ND	ND	--	ND	ND	--	--	--	--
	ug/L	10/4/05	1	ND	ND	ND	5	ND	ND	ND	--	--	--
	ug/L	4/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	1	ND	ND	ND	7	ND	ND	ND	--	--	ND
	ug/L	3/21/07	1	ND	ND	0.48 J	12	ND	ND	0.31 J	--	--	ND
	ug/L	10/2/07	1	ND	ND	0.41 J	15.5	ND	ND	0.3 J	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	12/5/94	1	ND	ND	ND	ND	ND	--	--	--	--	--
SWS GPS = 0.6 ug/L	ug/L	2/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	1	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	12/5/94	1	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 2100 ug/L	ug/L	2/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	1	ND	ND	ND	13	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	7	ND	--	--	--	--	--
	ug/L	4/20/00	1	ND	ND	ND	10	ND	ND	--	--	--	--
	ug/L	11/7/00	1	ND	ND	ND	15	ND	--	--	--	--	--
	ug/L	5/15/01	1	ND	ND	ND	14	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	19	ND	--	ND	--	--	--
	ug/L	4/24/02	1	ND	ND	ND	13	ND	ND	ND	--	--	--
	ug/L	10/1/02	1	ND	ND	ND	15	ND	ND	ND	--	--	--
	ug/L	4/9/03	1	ND	ND	ND	8	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/2/07	1	ND	ND	ND	ND	2.23 J	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND
Vinyl chloride	ug/L	12/5/94	1	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 0.015 ug/L	ug/L	2/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	2	5	2	1	--	--	--	--	--
	ug/L	5/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	1	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	3/21/07	1	ND	0.43 J	2.35	ND	ND	ND	0.94 J	--	--	ND
	ug/L	10/2/07	1	ND	1.03 J	2.68 J	0.31 J	ND	ND	0.89 J	--	--	ND
	ug/L	4/3/08	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	3/24/09	1	ND	ND	1.5	ND	ND	ND	0.60 J	0.53 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	
Xylenes (Total)	ug/L	12/5/94	5	ND	70	ND	130	ND		--	--	--	--
NC 2L = 530 ug/L	ug/L	2/14/95	5	ND	68	ND	ND	ND	--	--	--	--	--
	ug/L	4/3/95	5	ND	45	ND	47	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	40	ND	40	ND	--	--	--	--	--
	ug/L	4/8/96	5	ND	46	ND	35	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	19	ND	--	--	--	--	--
	ug/L	4/15/97	5	ND	--	ND	44	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	12	1	3	ND	--	--	--	--	--
	ug/L	5/14/98	5	ND	65	ND	17	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	5	ND	--	--	--	--	--
	ug/L	6/4/99	5	ND	55	ND	9	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	8	ND	6	ND	--	--	--	--	--
	ug/L	4/20/00	5	ND	10	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/15/01	5	ND	27	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	17	ND	ND	ND	--	ND	--	--	--
	ug/L	4/24/02	5	ND	40	ND	14	ND	ND	ND	--	--	--
	ug/L	10/1/02	5	ND	8	ND	9	ND	ND	ND	--	--	--
	ug/L	4/9/03	5	ND	ND	ND	15	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	27	ND	14	ND	ND	ND	--	--	--
	ug/L	3/24/04	5	ND	48	ND	10	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	70	ND	18	ND	ND	ND	--	--	--
	ug/L	5/25/05	5	ND	55	ND	--	ND	ND	ND	--	--	--
	ug/L	10/4/05	5	ND	81	ND	12	ND	ND	ND	--	--	--
	ug/L	4/25/06	5	ND	48	ND	12	ND	ND	ND	--	--	--
	ug/L	10/4/06	5	ND	59	ND	14	ND	ND	ND	--	--	ND
	ug/L	3/21/07	5	ND	2.74	ND	29.5	ND	ND	ND	--	--	ND
	ug/L	10/2/07	5	ND	4.54	ND	34	ND	ND	ND	--	--	ND
	ug/L	4/3/08	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	3/24/09	5	ND	ND	ND	8.3	ND	ND	ND	ND	ND	ND
2-Methylphenol	ug/L	12/5/94	--	--	--	--	--	--	--	--	--	--	--
SWS GPS = 35 ug/L	ug/L	2/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/3/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/8/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	5/29/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	6/6/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	120	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	--	ND	170	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	--	ND	200	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	--	ND	52	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	5/15/01	--	ND	14	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	38	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	--	ND	2440	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	2240	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	--	ND	278	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/05	--	ND	28.6	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	--	ND	82.8	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/2/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/3/08	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	3/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	ug/L	12/5/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L = 5000 ug/L	ug/L	2/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/3/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	6/6/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	5/15/01	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	19	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	35.9	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	--	ND	140	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/05	--	ND	548	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	--	ND	101	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	--	ND	86.6	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/2/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/3/08	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	3/24/09	10	ND	ND	ND	ND	ND	ND	ND	1.5 J	ND	ND
2,4-dimethylphenol	ug/L	12/5/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L = 140 ug/L	ug/L	2/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/3/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	6/6/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	5/15/01	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	19	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	35.9	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	--	ND	140	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/05	--	ND	548	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	--	ND	101	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	--	ND	86.6	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/2/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/3/08	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	3/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 3

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

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	
Phenol	ug/L	12/5/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L = 300 ug/L	ug/L	2/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/3/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/8/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	5/29/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	6/6/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	4/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	240	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	--	ND	1400	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	--	ND	3100	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	--	ND	190	ND	ND	ND	15	--	--	--	--
	ug/L	11/7/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	5/15/01	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	--	ND	13200	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	16400	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	--	ND	105	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/05	--	ND	26.8	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/2/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/3/08	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	3/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3 &4-methylphenol	ug/L	12/5/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L Standard = 35/3.5 ug/L	ug/L	2/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/3/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/8/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	5/29/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	6/6/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	4/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	140	ND	ND	ND	--	--	--	--	--
	ug/L	5/14/98	--	ND	160	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	6/4/99	--	ND	260	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	4/20/00	--	ND	57	ND	ND	ND	ND	--	--	--	--
	ug/L	11/7/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	5/15/01	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/1/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/9/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	27	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/24/04	--	ND	1930	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	2880	ND	ND	ND	ND	ND	--	--	--
	ug/L	5/25/05	--	ND	398	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/05	--	ND	109	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/25/06	--	ND	25.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/4/06	--	ND	16.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	3/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/2/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	4/3/08	--	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	3/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH (field)	S.U.	10/4/06	--	5.81	6.06	5.54	5.90	5.35	6.17	6.15	--	--	--
	S.U.	3/21/07	--	--	--	--	--	--	--	--	--	--	--
	S.U.	10/2/07	--	5.60	5.88	5.28	5.23	5.37	5.81	5.90	--	--	--
	S.U.	4/3/08	--	5.76	6.05	5.30	5.63	4.93	6.00	5.95	--	--	--
	S.U.	10/29/08	--	--	--	--	--	--	--	--	--	--	--
	S.U.	3/24/09	--	6.94	6.43	6.42	6.64	6.31	6.21	6.82	7.11	7.56	--
Conductivity (field)	uS/cm	10/4/06	--	90	953	319	530	56	531	395	--	--	--
	uS/cm	3/21/07	--	--	--	--	--	--	--	--	--	--	--
	uS/cm	10/2/07	--	115	451	189	319	85	715	597	--	--	--
	uS/cm	4/3/08	--	98	250	197	552	59	597	585	--	--	--
	uS/cm	10/29/08	--	--	--	--	--	--	--	--	--	--	--
	uS/cm	3/24/09	--	110	150	330	730	120	200	650	610	130	--
Temperature (field)	Celsius	10/4/06	--	13.8	16.6	18.0	15.7	13.7	15.4	14.7	--	--	--
	Celsius	3/21/07	--	--	--	--	--	--	--	--	--	--	--
	Celsius	10/2/07	--	14.1	17.4	17.9	16.0	13.6	15.1	14.8	--	--	--
	Celsius	4/3/08	--	13.2	12.1	16.5	15.5	13.1	13.0	12.4	--	--	--
	Celsius	10/29/08	--	--	--	--	--	--	--	--	--	--	--
	Celsius	3/24/09	--	12.6	14.9	18.5	17.3	13.7	17.6	16.8	13.6	11.9	--
Turbidity (field)	NTU	3/24/09	--	59.0	60.5	29.1	83.9	9.04	18.8	4.37	41.1	17.2	--

Notes:

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

TABLE 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
Arsenic	µg/L	06/21/01	10	ND	ND	ND	ND	--
NC 2L = 50 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	3/24/09	10	ND	ND	ND	ND	ND
Barium	µg/L	06/21/01	100	ND	ND	ND	ND	--
NC 2L = 2000 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	3/24/09	100	15.8 J	61.2 J	25.9 J	19.8 J	ND
Beryllium (SWS GPS = 4 ug/L)	ug/L	3/24/09	1	0.32 J	1.19	0.46 J	0.09 J	ND
Cadmium	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 1.75 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	3/24/09	1	ND	0.27 J	0.14 J	ND	ND
Chromium	µg/L	06/21/01	10	ND	ND	ND	23.8	--
NC 2L = 50 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	3/24/09	10	1.0 J	ND	1.2 J	3.0 J	ND
Cobalt (GWPS = 70 ug/L)	ug/L	3/24/09	10	0.8 J	ND	1.1 J	ND	ND
Copper (NC 2L =1000 ug/L)	ug/L	3/24/09	10	3.42 J	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
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	3/24/09	10	4.4 J	3.7 J	3.1 J	3.9 J	ND
Mercury	µg/L	06/21/01	0.2	ND	ND	ND	ND	--
NC 2L = 1.05 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	3/24/09	0.2	ND	ND	0.54	ND	ND
Nickel (NC 2L = 100 ug/L)	ug/L	3/24/09	50	0.7 J	ND	1.1 J	1.0 J	ND
Selenium	µg/L	06/21/01	10	ND	ND	ND	ND	--
NC 2L = 50 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	3/24/09	10	ND	ND	ND	ND	ND
Silver	µg/L	06/21/01	10	ND	ND	ND	ND	--
NC 2L = 17.5 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	3/24/09	10	ND	1.2 J	ND	ND	ND
Thallium (NC 2L = 0.28 ug/L)	ug/L	3/24/09	5.5	ND	ND	0.061 B	ND	0.092 J
Vanadium (GWPS = 3.5 ug/L)	ug/L	3/24/09	25	4.9 J	1.0 J	6.5 J	3.3 J	ND
Zinc (NC 2L = 1050 ug/L)	ug/L	3/24/09	10	8.0 B	9.0 B	17.9	7.2 B	3.4 J
Iron (NC 2L = 300 ug/L)	ug/L	3/24/09	300	2750	1400	4810	1670	ND
Manganese (NC 2L = 50 ug/L)	ug/L	3/24/09	50	60.9	165	155	59.1	ND
Acetone (NC 2L = 700 ug/L)	ug/L	3/24/09	100	ND	ND	3.8 J	ND	ND

TABLE 4

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10	Downgradient Wells MW-11	MW-12	MW-13	Blanks
Benzene	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 1 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	ND	ND	ND	ND	ND
	µg/L	10/02/07	1	ND	ND	0.15 J	ND	ND
	µg/L	04/01/08	1	ND	ND	0.28 J	ND	ND
	µg/L	10/29/08	1	ND	ND	0.28 J	ND	ND
Chloroethane	µg/L	06/21/01	10	ND	ND	ND	ND	--
NC 2L = 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	3/24/09	10	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 1.4 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	3/24/09	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	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	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	3/24/09	5	ND	ND	0.82 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	3/24/09	5	ND	ND	ND	ND	ND

TABLE 4

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10		Downgradient Wells MW-11		MW-12		MW-13		Blanks	
Methylene chloride	µg/L	06/21/01	1	ND		ND		ND		ND		--	
NC 2L = 4.6 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	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	3/24/09	1	ND		ND		0.53	J	ND		ND	
Tetrachloroethene (PCE)	µg/L	06/21/01	1	ND		ND		ND		ND		--	
NC 2L = 0.7 ug/L	µg/L	04/24/02	1	ND		ND		ND		ND		--	
	µg/L	10/01/02	1	ND		ND		ND		ND		--	
	µg/L	04/10/03	1	ND		ND		ND		ND		--	
	µg/L	10/20/03	1	ND		ND		ND		ND		--	
	µg/L	03/24/04	1	ND		ND		ND		ND		--	
	µg/L	10/27/04	1	ND		ND		ND		ND		--	
	µg/L	05/25/05	1	ND		ND		ND		ND		--	
	µg/L	10/05/05	1	ND		ND		ND		ND		--	
	µg/L	04/25/06	1	ND		ND		ND		ND		--	
	µg/L	10/05/06	1	ND		ND		ND		ND		ND	
	µg/L	03/21/07	1	ND		ND		0.76	J	ND		ND	
	µg/L	10/02/07	1	ND		ND		1.05	J	0.27	J	ND	
	µg/L	04/01/08	1	ND		0.12	J	1.22	J	0.32	J	ND	
	µg/L	10/29/08	1	ND		0.36	J	1.21		0.33	J	ND	
	ug/L	3/24/09	1	ND		0.49	J	1.3		ND		ND	
Toluene	µg/L	06/21/01	1	ND		ND		ND		ND		--	
NC 2L = 1000 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	3/24/09	1	ND		ND		ND		ND		ND	
Trichloroethene	µg/L	06/21/01	1	ND		ND		ND		ND		--	
NC 2L = 2.8 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	3/24/09	1	ND		ND		0.44	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
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	3/24/09	1	ND	ND	ND	ND	ND
Trichlorofluoromethane	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 2100 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	3/24/09	1	ND	ND	4.3	1.5	ND
Vinyl chloride	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 0.015 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	3/24/09	1	ND	ND	ND	ND	ND
Xylenes (Total)	µg/L	06/21/01	5	ND	ND	ND	ND	--
NC 2L = 530 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	3/24/09	5	ND	ND	ND	ND	ND
Chloride	mg/L	3/24/09	--	ND	8.8	4.1 J	ND	ND
Total Dissolved Solids	mg/L	3/24/09	--	86	310	190	140	ND
Sulfate as SO4	mg/L	3/24/09	250	1.5 J	150 J	18 J	3.0 J	ND
Total Alkalinity	mg/L	3/24/09	--	17	18	80	65	ND
pH (field)	S.U.	03/21/07	--	5.23	5.29	5.52	5.78	--
	S.U.	03/24/09	--	6.78	6.22	6.46	6.84	--
Conductivity (field)	µS/cm	03/21/07	--	35	73	135	87	--
	µS/cm	03/24/09	--	50	450	150	230	--
Temperature (field)	Celsius	03/21/07	--	14.1	15.5	13.5	13.1	--
	Celsius	03/24/09	--	16.0	14.7	14.1	15.8	--
Turbidity (field)	NTU	03/24/09	--	76.2	13.8	149	108	--

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

Notes:

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

1) Historical data prior to March 2009 provided by Henderson County and CDM.

TABLE 5

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	Blanks
Antimony	ug/L	12/5/94	6	ND	ND	ND	ND	--
(No SW Standard)	ug/L	2/14/95	6	ND	ND	--	ND	--
	ug/L	4/3/95	6	ND	ND	ND	ND	--
	ug/L	10/30/95	6	ND	ND	ND	ND	--
	ug/L	4/8/96	6	--	--	--	ND	--
	ug/L	10/24/96	6	ND	ND	ND	ND	--
	ug/L	4/15/97	6	ND	ND	ND	5	--
	ug/L	10/29/97	6	18	ND	ND	ND	--
	ug/L	5/14/98	6	ND	ND	ND	ND	--
	ug/L	11/11/98	6	ND	ND	ND	ND	--
	ug/L	6/4/99	6	ND	--	ND	ND	--
	ug/L	10/29/99	6	ND	--	ND	ND	--
	ug/L	4/20/00	6	ND	--	ND	ND	--
	ug/L	11/7/00	6	--	--	ND	ND	--
	ug/L	10/16/01	6	ND	--	ND	ND	--
	ug/L	4/24/02	6	ND	--	ND	ND	--
	ug/L	10/1/02	6	ND	--	ND	ND	--
	ug/L	4/9/03	6	ND	--	ND	ND	--
	ug/L	10/20/03	6	ND	ND	ND	ND	--
	ug/L	3/24/04	6	ND	ND	ND	ND	--
	ug/L	10/27/04	6	ND	ND	ND	ND	--
	ug/L	5/25/05	6	ND	ND	ND	ND	--
	ug/L	10/4/05	6	ND	ND	ND	ND	--
	ug/L	4/25/06	6	ND	ND	ND	ND	--
	ug/L	10/4/06	6	ND	ND	ND	ND	ND
	ug/L	3/21/07	6	ND	ND	ND	ND	ND
	ug/L	10/2/07	6	ND	ND	ND	ND	ND
	ug/L	4/3/08	6	ND	ND	ND	ND	ND
	ug/L	10/29/08	6	ND	--	ND	ND	ND
	ug/L	3/24/09	6	ND	ND	ND	ND	ND
Arsenic	ug/L	12/5/94	10	ND	ND	ND	ND	--
SW Standard = 50 ug/L	ug/L	2/14/95	10	ND	ND	--	ND	--
	ug/L	4/3/95	10	ND	ND	ND	ND	--
	ug/L	10/30/95	10	ND	12	ND	ND	--
	ug/L	4/8/96	10	--	--	--	ND	--
	ug/L	10/24/96	10	ND	ND	ND	ND	--
	ug/L	4/15/97	10	ND	ND	ND	ND	--
	ug/L	10/29/97	10	19	ND	ND	ND	--
	ug/L	5/14/98	10	ND	ND	ND	ND	--
	ug/L	11/11/98	10	ND	ND	ND	ND	--
	ug/L	6/4/99	10	ND	--	ND	ND	--
	ug/L	10/29/99	10	ND	--	ND	ND	--
	ug/L	4/20/00	10	ND	--	ND	ND	--
	ug/L	11/7/00	10	--	--	ND	ND	--
	ug/L	10/16/01	10	ND	--	ND	ND	--
	ug/L	4/24/02	10	ND	--	ND	ND	--
	ug/L	10/1/02	10	ND	--	ND	ND	--
	ug/L	4/9/03	10	ND	--	ND	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--
	ug/L	3/24/04	10	ND	ND	ND	ND	--
	ug/L	10/27/04	10	ND	ND	11.7	ND	--
	ug/L	5/25/05	10	ND	ND	ND	ND	--
	ug/L	10/4/05	10	ND	ND	ND	ND	--
	ug/L	4/25/06	10	ND	ND	ND	ND	--
	ug/L	10/4/06	10	ND	ND	ND	ND	ND
	ug/L	3/21/07	10	ND	ND	0.56 J	1.57 J	ND
	ug/L	10/2/07	10	ND	ND	ND	ND	ND
	ug/L	4/3/08	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	3/24/09	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	12/5/94	100	ND		ND		ND		ND		--	
No SW Standard	ug/L	2/14/95	100	131		ND		--		ND		--	
	ug/L	4/3/95	100	ND		ND		ND		ND		--	
	ug/L	10/30/95	100	ND		ND		ND		ND		--	
	ug/L	4/8/96	100	--		--		--		ND		--	
	ug/L	10/24/96	100	ND		ND		ND		ND		--	
	ug/L	4/15/97	100	130		220		ND		ND		--	
	ug/L	10/29/97	100	400		ND		ND		ND		--	
	ug/L	5/14/98	100	ND		ND		ND		ND		--	
	ug/L	11/11/98	100	ND		ND		ND		ND		--	
	ug/L	6/4/99	100	ND		--		ND		ND		--	
	ug/L	10/29/99	100	ND		--		ND		ND		--	
	ug/L	4/20/00	100	ND		--		ND		ND		--	
	ug/L	11/7/00	100	--		--		ND		ND		--	
	ug/L	10/16/01	100	ND		--		111		ND		--	
	ug/L	4/24/02	100	ND		--		ND		ND		--	
	ug/L	10/1/02	100	ND		--		ND		ND		--	
	ug/L	4/9/03	100	ND		--		ND		ND		--	
	ug/L	10/20/03	100	ND		ND		ND		ND		--	
	ug/L	3/24/04	100	ND		ND		ND		ND		--	
	ug/L	10/27/04	100	ND		ND		ND		ND		--	
	ug/L	5/25/05	100	ND		ND		ND		ND		--	
	ug/L	10/4/05	100	ND		4310		ND		ND		--	
	ug/L	4/25/06	100	ND		ND		ND		ND		--	
	ug/L	10/4/06	100	ND		ND		ND		ND		ND	
	ug/L	3/21/07	100	22.7	J	193		342		36.3	J	ND	
	ug/L	10/2/07	100	77.5	B	266		697		42.2	B	16.1	J
	ug/L	4/3/08	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	3/24/09	100	73.2	J	273		575		42.1	J	ND	
Beryllium	ug/L	12/5/94	1	ND		ND		ND		ND		--	
SW Standard = 6.5 ug/L	ug/L	2/14/95	1	ND		ND		--		ND		--	
	ug/L	4/3/95	1	ND		ND		ND		ND		--	
	ug/L	10/30/95	1	ND		ND		ND		ND		--	
	ug/L	4/8/96	1	--		--		--		ND		--	
	ug/L	10/24/96	1	ND		ND		ND		ND		--	
	ug/L	4/15/97	1	ND		ND		ND		ND		--	
	ug/L	10/29/97	1	9		ND		ND		ND		--	
	ug/L	5/14/98	1	ND		ND		ND		ND		--	
	ug/L	11/11/98	1	ND		ND		ND		ND		--	
	ug/L	6/4/99	1	ND		--		ND		ND		--	
	ug/L	10/29/99	1	ND		--		ND		ND		--	
	ug/L	4/20/00	1	ND		--		ND		ND		--	
	ug/L	11/7/00	1	--		--		ND		ND		--	
	ug/L	10/16/01	1	ND		--		ND		ND		--	
	ug/L	4/24/02	1	ND		--		ND		ND		--	
	ug/L	10/1/02	1	ND		--		ND		ND		--	
	ug/L	4/9/03	1	ND		--		ND		ND		--	
	ug/L	10/20/03	1	ND		ND		ND		ND		--	
	ug/L	3/24/04	1	ND		ND		ND		ND		--	
	ug/L	10/27/04	1	ND		ND		ND		ND		--	
	ug/L	5/25/05	1	ND		ND		ND		ND		--	
	ug/L	10/4/05	1	ND		4.07		ND		ND		--	
	ug/L	4/25/06	1	ND		ND		ND		ND		--	
	ug/L	10/4/06	1	ND		ND		ND		ND		ND	
	ug/L	3/21/07	1	ND		ND		ND		ND		ND	
	ug/L	10/2/07	1	1.97	B	2.28	B	3.9	B	1.97	B	6.01	
	ug/L	4/3/08	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	3/24/09	1	ND		ND		1.01		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	12/5/94	1	ND		ND		ND		ND		--	
SW Standard = 2 ug/L (N)	ug/L	2/14/95	1	ND		ND		--		ND		--	
	ug/L	4/3/95	1	ND		ND		ND		ND		--	
	ug/L	10/30/95	1	ND		ND		ND		ND		--	
	ug/L	4/8/96	1	--		--		--		ND		--	
	ug/L	10/24/96	1	ND		ND		ND		ND		--	
	ug/L	4/15/97	1	ND		ND		ND		ND		--	
	ug/L	10/29/97	1	11		ND		ND		ND		--	
	ug/L	5/14/98	1	ND		ND		ND		ND		--	
	ug/L	11/11/98	1	ND		ND		ND		ND		--	
	ug/L	6/4/99	1	ND		--		ND		ND		--	
	ug/L	10/29/99	1	ND		--		ND		ND		--	
	ug/L	4/20/00	1	1.5		--		1.7		1.2		--	
	ug/L	11/7/00	1	--		--		ND		ND		--	
	ug/L	10/16/01	1	ND		--		ND		ND		--	
	ug/L	4/24/02	1	1.5		--		1.2		1.5		--	
	ug/L	10/1/02	1	ND		--		ND		ND		--	
	ug/L	4/9/03	1	ND		--		ND		ND		--	
	ug/L	10/20/03	1	ND		ND		ND		ND		--	
	ug/L	3/24/04	1	ND		ND		ND		ND		--	
	ug/L	10/27/04	1	ND		ND		ND		ND		--	
	ug/L	5/25/05	1	ND		ND		ND		ND		--	
	ug/L	10/4/05	1	ND		111		ND		ND		--	
	ug/L	4/25/06	1	ND		ND		1.15		1.03		--	
	ug/L	10/4/06	1	ND		ND		ND		ND		ND	
	ug/L	3/21/07	1	1.42	J	2.71	J	1.36	J	0.51	J	ND	
	ug/L	10/2/07	1	ND		ND		1.31		ND		ND	
	ug/L	4/3/08	1	ND		ND		1.1		ND		ND	
	ug/L	10/29/08	1	ND		--		1.83		ND		ND	
	ug/L	3/24/09	1	ND		ND		1.12		ND		ND	
Chromium	ug/L	12/5/94	10	ND		ND		ND		ND		--	
SW Standard = 50 ug/L	ug/L	2/14/95	10	ND		ND		--		ND		--	
	ug/L	4/3/95	10	ND		ND		ND		ND		--	
	ug/L	10/30/95	10	ND		ND		ND		ND		--	
	ug/L	4/8/96	10	--		--		--		ND		--	
	ug/L	10/24/96	10	ND		ND		ND		ND		--	
	ug/L	4/15/97	10	ND		ND		ND		ND		--	
	ug/L	10/29/97	10	10		1		ND		ND		--	
	ug/L	5/14/98	10	ND		ND		ND		ND		--	
	ug/L	11/11/98	10	ND		ND		ND		ND		--	
	ug/L	6/4/99	10	ND		--		ND		ND		--	
	ug/L	10/29/99	10	ND		--		ND		ND		--	
	ug/L	4/20/00	10	ND		--		ND		ND		--	
	ug/L	11/7/00	10	--		--		ND		ND		--	
	ug/L	10/16/01	10	ND		--		ND		ND		--	
	ug/L	4/24/02	10	ND		--		ND		ND		--	
	ug/L	10/1/02	10	ND		--		ND		ND		--	
	ug/L	4/9/03	10	ND		--		ND		ND		--	
	ug/L	10/20/03	10	ND		ND		ND		ND		--	
	ug/L	3/24/04	10	ND		ND		ND		ND		--	
	ug/L	10/27/04	10	ND		ND		ND		ND		--	
	ug/L	5/25/05	10	ND		ND		ND		ND		--	
	ug/L	10/4/05	10	ND		ND		ND		ND		--	
	ug/L	4/25/06	10	ND		ND		ND		ND		--	
	ug/L	10/4/06	10	ND		ND		ND		ND		ND	
	ug/L	3/21/07	10	1.44	J	3.02	J	2.38	J	2.86	J	ND	
	ug/L	10/2/07	10	5.39	B	5.08	B	4.58	B	4.07	B	3.67	J
	ug/L	4/3/08	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	3/24/09	10	2.0	J	3.4	J	1.9	J	1.4	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	
Cobalt	ug/L	12/5/94	10	ND		ND		ND		ND		--	
No SW Standard	ug/L	2/14/95	10	11		ND		--		ND		--	
	ug/L	4/3/95	10	ND		ND		ND		ND		--	
	ug/L	10/30/95	10	ND		ND		ND		ND		--	
	ug/L	4/8/96	10	--		--		--		ND		--	
	ug/L	10/24/96	10	ND		ND		ND		ND		--	
	ug/L	4/15/97	10	4		1		ND		ND		--	
	ug/L	10/29/97	10	--		--		--		--		--	
	ug/L	5/14/98	10	ND		ND		ND		ND		--	
	ug/L	11/11/98	10	ND		ND		ND		ND		--	
	ug/L	6/4/99	10	ND		--		ND		ND		--	
	ug/L	10/29/99	10	ND		--		ND		ND		--	
	ug/L	4/20/00	10	ND		--		ND		ND		--	
	ug/L	11/7/00	10	--		--		ND		ND		--	
	ug/L	10/16/01	10	ND		--		ND		ND		--	
	ug/L	4/24/02	10	ND		--		10.7		ND		--	
	ug/L	10/1/02	10	ND		--		10.7		ND		--	
	ug/L	4/9/03	10	ND		--		ND		ND		--	
	ug/L	10/20/03	10	ND		ND		ND		ND		--	
	ug/L	3/24/04	10	ND		ND		ND		ND		--	
	ug/L	10/27/04	10	ND		ND		ND		ND		--	
	ug/L	5/25/05	10	ND		ND		ND		ND		--	
	ug/L	10/4/05	10	ND		ND		ND		ND		--	
	ug/L	4/25/06	10	ND		ND		ND		ND		--	
	ug/L	10/4/06	10	ND		ND		ND		ND		ND	
	ug/L	3/21/07	10	2.52	J	3.56	J	4.76	J	ND		ND	
	ug/L	10/2/07	10	ND		ND		ND		ND		ND	
	ug/L	4/3/08	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	3/24/09	10	3.9	J	4.8	J	4.8	J	1.0	J	ND	
Copper	ug/L	12/5/94	10	ND		ND		ND		ND		--	
SW Standard = 7 ug/L (AL)	ug/L	2/14/95	10	ND		ND		--		ND		--	
	ug/L	4/3/95	10	ND		ND		ND		ND		--	
	ug/L	10/30/95	10	ND		ND		ND		ND		--	
	ug/L	4/8/96	10	--		--		--		ND		--	
	ug/L	10/24/96	10	ND		ND		ND		ND		--	
	ug/L	4/15/97	10	ND		ND		ND		ND		--	
	ug/L	10/29/97	10	ND		--		ND		ND		--	
	ug/L	5/14/98	10	ND		ND		ND		ND		--	
	ug/L	11/11/98	10	ND		ND		ND		ND		--	
	ug/L	6/4/99	10	ND		--		ND		ND		--	
	ug/L	10/29/99	10	ND		--		ND		ND		--	
	ug/L	4/20/00	10	ND		--		ND		ND		--	
	ug/L	11/7/00	10	--		--		ND		ND		--	
	ug/L	10/16/01	10	ND		--		ND		ND		--	
	ug/L	4/24/02	10	ND		--		ND		ND		--	
	ug/L	10/1/02	10	ND		--		ND		ND		--	
	ug/L	4/9/03	10	ND		--		ND		ND		--	
	ug/L	10/20/03	10	ND		ND		ND		ND		--	
	ug/L	3/24/04	10	ND		ND		ND		ND		--	
	ug/L	10/27/04	10	ND		ND		ND		ND		--	
	ug/L	5/25/05	10	ND		ND		ND		ND		--	
	ug/L	10/4/05	10	ND		ND		ND		ND		--	
	ug/L	4/25/06	10	ND		ND		ND		ND		--	
	ug/L	10/4/06	10	ND		ND		ND		ND		ND	
	ug/L	3/21/07	10	4.32	J	4.93	J	3.97	J	4.23	J	ND	
	ug/L	10/2/07	10	5.94	B	6.24	B	5.64	B	6.01	B	6.41	J
	ug/L	4/3/08	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	3/24/09	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	12/5/94	10	ND		38		8		7		--	
SW Standard = 25 ug/L (N)	ug/L	2/14/95	10	ND		5		--		7		--	
	ug/L	4/3/95	10	ND		ND		ND		ND		--	
	ug/L	10/30/95	10	ND		ND		ND		ND		--	
	ug/L	4/8/96	10	--		--		--		ND		--	
	ug/L	10/24/96	10	ND		110		ND		ND		--	
	ug/L	4/15/97	10	ND		ND		ND		ND		--	
	ug/L	10/29/97	10	28		ND		ND		ND		--	
	ug/L	5/14/98	10	ND		ND		ND		ND		--	
	ug/L	11/11/98	10	ND		ND		ND		ND		--	
	ug/L	6/4/99	10	ND		--		ND		ND		--	
	ug/L	10/29/99	10	ND		--		ND		ND		--	
	ug/L	4/20/00	10	ND		--		ND		ND		--	
	ug/L	11/7/00	10	--		--		ND		ND		--	
	ug/L	10/16/01	10	ND		--		ND		ND		--	
	ug/L	4/24/02	10	ND		--		ND		ND		--	
	ug/L	10/1/02	10	ND		--		ND		ND		--	
	ug/L	4/9/03	10	18.5		--		ND		ND		--	
	ug/L	10/20/03	10	ND		ND		ND		ND		--	
	ug/L	3/24/04	10	ND		ND		ND		ND		--	
	ug/L	10/27/04	10	ND		ND		11.6		ND		--	
	ug/L	5/25/05	10	ND		ND		ND		ND		--	
	ug/L	10/4/05	10	ND		242		ND		ND		--	
	ug/L	4/25/06	10	ND		ND		ND		ND		--	
	ug/L	10/4/06	10	ND		ND		ND		ND		ND	
	ug/L	3/21/07	10	ND		1.56	J	ND		ND		ND	
	ug/L	10/2/07	10	0.49	B	0.65	B	0.46	B	0.49	B	0.49	J
	ug/L	4/3/08	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	3/24/09	10	2.8	J	3.9	J	3.8	J	2.1	J	ND	
Nickel	ug/L	12/5/94	50	ND		ND		ND		ND		--	
SW Standard = 88 ug/L (N)	ug/L	2/14/95	50	ND		ND		--		ND		--	
	ug/L	4/3/95	50	ND		ND		ND		ND		--	
	ug/L	10/30/95	50	ND		ND		ND		ND		--	
	ug/L	4/8/96	50	--		--		--		ND		--	
	ug/L	10/24/96	50	ND		ND		ND		ND		--	
	ug/L	4/15/97	50	ND		ND		ND		ND		--	
	ug/L	10/29/97	50	ND		--		ND		ND		--	
	ug/L	5/14/98	50	ND		ND		ND		ND		--	
	ug/L	11/11/98	50	ND		ND		ND		ND		--	
	ug/L	6/4/99	50	ND		--		ND		ND		--	
	ug/L	10/29/99	50	ND		--		ND		ND		--	
	ug/L	4/20/00	50	ND		--		ND		ND		--	
	ug/L	11/7/00	50	--		--		ND		ND		--	
	ug/L	10/16/01	50	ND		--		ND		ND		--	
	ug/L	4/24/02	50	ND		--		ND		ND		--	
	ug/L	10/1/02	50	ND		--		ND		ND		--	
	ug/L	4/9/03	50	ND		--		ND		ND		--	
	ug/L	10/20/03	50	ND		ND		ND		ND		--	
	ug/L	3/24/04	50	ND		ND		ND		ND		--	
	ug/L	10/27/04	50	ND		ND		ND		ND		--	
	ug/L	5/25/05	50	ND		ND		ND		ND		--	
	ug/L	10/4/05	50	ND		ND		ND		ND		--	
	ug/L	4/25/06	50	ND		ND		ND		ND		--	
	ug/L	10/4/06	50	ND		ND		ND		ND		ND	
	ug/L	3/21/07	50	0.61	J	ND		5.04	J	ND		ND	
	ug/L	10/2/07	50	2.25	B	3.79	B	7.68	J	1.67	B	0.8	J
	ug/L	4/3/08	50	ND		ND		ND		ND		ND	
	ug/L	10/29/08	50	ND		--		8.09	J	ND		ND	
	ug/L	3/24/09	50	2.0	J	2.5	J	4.2	J	1.0	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
Selenium	ug/L	12/5/94	10	ND		ND		ND		ND		--
SW Standard = 5 ug/L	ug/L	2/14/95	10	ND		ND		--		ND		--
	ug/L	4/3/95	10	ND		ND		ND		ND		--
	ug/L	10/30/95	10	ND		ND		ND		ND		--
	ug/L	4/8/96	10	--		--		--		ND		--
	ug/L	10/24/96	10	ND		ND		ND		ND		--
	ug/L	4/15/97	10	18		ND		ND		8		--
	ug/L	10/29/97	10	26		--		ND		ND		--
	ug/L	5/14/98	10	ND		ND		ND		ND		--
	ug/L	11/11/98	10	ND		ND		ND		ND		--
	ug/L	6/4/99	10	ND		--		ND		ND		--
	ug/L	10/29/99	10	ND		--		ND		ND		--
	ug/L	4/20/00	10	ND		--		ND		ND		--
	ug/L	11/7/00	10	--		--		ND		ND		--
	ug/L	10/16/01	10	ND		--		10		ND		--
	ug/L	4/24/02	10	ND		--		ND		ND		--
	ug/L	10/1/02	10	ND		--		ND		ND		--
	ug/L	4/9/03	10	ND		--		ND		ND		--
	ug/L	10/20/03	10	ND		ND		ND		ND		--
	ug/L	3/24/04	10	ND		ND		ND		ND		--
	ug/L	10/27/04	10	ND		ND		ND		ND		--
	ug/L	5/25/05	10	ND		ND		ND		ND		--
	ug/L	10/4/05	10	ND		ND		ND		ND		--
	ug/L	4/25/06	10	ND		ND		ND		ND		--
	ug/L	10/4/06	10	ND		ND		ND		ND		ND
	ug/L	3/21/07	10	ND		ND		ND		ND		ND
	ug/L	10/2/07	10	10.4		8.22	J	ND		9.83	J	ND
	ug/L	4/3/08	10	ND		7.73	J	7.75	J	8.67	J	ND
	ug/L	10/29/08	10	ND		--		ND		ND		ND
	ug/L	3/24/09	10	ND		ND		ND		ND		ND
Silver	ug/L	12/5/94	10	ND		ND		ND		ND		--
SW Standard = 0.06 ug/L	ug/L	2/14/95	10	ND		ND		--		ND		--
	ug/L	4/3/95	10	ND		ND		ND		ND		--
	ug/L	10/30/95	10	ND		ND		ND		ND		--
	ug/L	4/8/96	10	--		--		--		ND		--
	ug/L	10/24/96	10	ND		ND		ND		ND		--
	ug/L	4/15/97	10	ND		0.2		ND		0.3		--
	ug/L	10/29/97	10	2		--		ND		ND		--
	ug/L	5/14/98	10	ND		ND		ND		ND		--
	ug/L	11/11/98	10	ND		ND		ND		ND		--
	ug/L	6/4/99	10	ND		--		ND		ND		--
	ug/L	10/29/99	10	ND		--		ND		ND		--
	ug/L	4/20/00	10	ND		--		ND		ND		--
	ug/L	11/7/00	10	--		--		ND		ND		--
	ug/L	10/16/01	10	ND		--		ND		ND		--
	ug/L	4/24/02	10	ND		--		ND		ND		--
	ug/L	10/1/02	10	ND		--		ND		ND		--
	ug/L	4/9/03	10	ND		--		ND		ND		--
	ug/L	10/20/03	10	ND		ND		ND		ND		--
	ug/L	3/24/04	10	ND		ND		ND		ND		--
	ug/L	10/27/04	10	ND		ND		ND		ND		--
	ug/L	5/25/05	10	ND		ND		ND		ND		--
	ug/L	10/4/05	10	ND		ND		ND		ND		--
	ug/L	4/25/06	10	ND		ND		ND		ND		--
	ug/L	10/4/06	10	ND		ND		ND		ND		ND
	ug/L	3/21/07	10	1.32	J	1.01	J	0.97	J	0.99	J	ND
	ug/L	10/2/07	10	ND		1.55	J	1.25	J	ND		ND
	ug/L	4/3/08	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	3/24/09	10	1.3	J	2.5	J	2.4	J	1.3	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
Thallium	ug/L	12/5/94	5.5	ND	ND	ND	ND	--
No SW Standard	ug/L	2/14/95	5.5	ND	ND	--	ND	--
	ug/L	4/3/95	5.5	ND	ND	ND	ND	--
	ug/L	10/30/95	5.5	ND	ND	ND	ND	--
	ug/L	4/8/96	5.5	--	--	--	ND	--
	ug/L	10/24/96	5.5	ND	ND	ND	ND	--
	ug/L	4/15/97	5.5	ND	ND	ND	ND	--
	ug/L	10/29/97	5.5	206	1	2	1	--
	ug/L	5/14/98	5.5	ND	ND	ND	ND	--
	ug/L	11/11/98	5.5	ND	ND	ND	ND	--
	ug/L	6/4/99	5.5	ND	--	ND	ND	--
	ug/L	10/29/99	5.5	ND	--	ND	ND	--
	ug/L	4/20/00	5.5	ND	--	ND	ND	--
	ug/L	11/7/00	5.5	--	--	ND	ND	--
	ug/L	10/16/01	5.5	ND	--	ND	ND	--
	ug/L	4/24/02	5.5	ND	--	ND	ND	--
	ug/L	10/1/02	5.5	ND	--	ND	ND	--
	ug/L	4/9/03	5.5	ND	--	ND	ND	--
	ug/L	10/20/03	5.5	ND	ND	ND	ND	--
	ug/L	3/24/04	5.5	ND	ND	ND	ND	--
	ug/L	10/27/04	5.5	ND	ND	ND	ND	--
	ug/L	5/25/05	5.5	ND	ND	ND	ND	--
	ug/L	10/4/05	5.5	ND	ND	ND	ND	--
	ug/L	4/25/06	5.5	ND	ND	ND	ND	--
	ug/L	10/4/06	5.5	ND	ND	ND	ND	ND
	ug/L	3/21/07	5.5	ND	ND	ND	ND	ND
	ug/L	10/2/07	5.5	ND	ND	ND	ND	ND
	ug/L	4/3/08	5.5	ND	ND	ND	ND	ND
	ug/L	10/29/08	5.5	7.25	--	ND	ND	ND
	ug/L	3/24/09	5.5	ND	ND	ND	ND	0.092 J
Vanadium	ug/L	12/5/94	25	ND	ND	ND	ND	--
No SW Standard	ug/L	2/14/95	25	ND	ND	--	ND	--
	ug/L	4/3/95	25	ND	ND	ND	ND	--
	ug/L	10/30/95	25	ND	ND	ND	ND	--
	ug/L	4/8/96	25	--	--	--	ND	--
	ug/L	10/24/96	25	ND	ND	ND	ND	--
	ug/L	4/15/97	25	ND	ND	ND	ND	--
	ug/L	10/29/97	25	ND	ND	ND	ND	--
	ug/L	5/14/98	25	ND	ND	ND	ND	--
	ug/L	11/11/98	25	ND	ND	ND	ND	--
	ug/L	6/4/99	25	ND	--	ND	ND	--
	ug/L	10/29/99	25	ND	--	ND	ND	--
	ug/L	4/20/00	25	ND	--	ND	ND	--
	ug/L	11/7/00	25	--	--	ND	ND	--
	ug/L	10/16/01	25	ND	--	ND	ND	--
	ug/L	4/24/02	25	ND	--	ND	ND	--
	ug/L	10/1/02	25	ND	--	ND	ND	--
	ug/L	4/9/03	25	ND	--	ND	ND	--
	ug/L	10/20/03	25	ND	ND	ND	ND	--
	ug/L	3/24/04	25	ND	ND	ND	ND	--
	ug/L	10/27/04	25	ND	ND	ND	ND	--
	ug/L	5/25/05	25	ND	ND	ND	ND	--
	ug/L	10/4/05	25	ND	60.5	ND	ND	--
	ug/L	4/25/06	25	ND	ND	ND	ND	--
	ug/L	10/4/06	25	ND	ND	ND	ND	ND
	ug/L	3/21/07	25	ND	ND	ND	ND	ND
	ug/L	10/2/07	25	ND	ND	ND	ND	ND
	ug/L	4/3/08	25	ND	4.61 J	ND	ND	ND
	ug/L	10/29/08	25	ND	--	2.04 J	2.59 J	ND
	ug/L	3/24/09	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	12/5/94	10	16		27		26		40		--	
SW Standard = 50 ug/L (AL)	ug/L	2/14/95	10	30		300		--		71		--	
	ug/L	4/3/95	10	10		ND		21		51		--	
	ug/L	10/30/95	10	ND		11		31		ND		--	
	ug/L	4/8/96	10	--		--		--		40		--	
	ug/L	10/24/96	10	28		ND		16		13		--	
	ug/L	4/15/97	10	20		20		40		30		--	
	ug/L	10/29/97	10	20		ND		ND		ND		--	
	ug/L	5/14/98	10	ND		ND		ND		ND		--	
	ug/L	11/11/98	10	ND		ND		144		ND		--	
	ug/L	6/4/99	10	ND		--		118		ND		--	
	ug/L	10/29/99	10	ND		--		ND		ND		--	
	ug/L	4/20/00	10	ND		--		394		ND		--	
	ug/L	11/7/00	10	--		--		ND		ND		--	
	ug/L	10/16/01	10	ND		--		26		ND		--	
	ug/L	4/24/02	10	ND		--		132		ND		--	
	ug/L	10/1/02	10	ND		--		ND		ND		--	
	ug/L	4/9/03	10	82.7		--		ND		63		--	
	ug/L	10/20/03	10	ND		ND		ND		ND		--	
	ug/L	3/24/04	10	ND		ND		ND		ND		--	
	ug/L	10/27/04	10	ND		ND		ND		ND		--	
	ug/L	5/25/05	10	ND		ND		ND		ND		--	
	ug/L	10/4/05	10	ND		487		ND		ND		--	
	ug/L	4/25/06	10	ND		ND		107		ND		--	
	ug/L	10/4/06	10	ND		ND		ND		ND		ND	
	ug/L	3/21/07	10	6.76	J	9.01	J	37		8.63	J	ND	
	ug/L	10/2/07	10	5.22	J	15.3	J	24.4		24		ND	
	ug/L	4/3/08	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	3/24/09	10	5.5	B	5.6	B	35.6		3.6	B	3.4	J
Acetone	ug/L	12/5/94	100	ND		ND		ND		ND		--	
No SW Standard	ug/L	2/14/95	100	ND		ND		ND		ND		--	
	ug/L	4/3/95	100	ND		ND		ND		ND		--	
	ug/L	10/30/95	100	ND		ND		ND		ND		--	
	ug/L	4/8/96	100	--		ND		ND		ND		--	
	ug/L	5/29/96	100	--		ND		ND		ND		--	
	ug/L	6/6/96	100	--		ND		ND		ND		--	
	ug/L	10/24/96	100	ND		ND		ND		ND		--	
	ug/L	4/15/97	100	ND		ND		ND		ND		--	
	ug/L	10/29/97	100	ND		ND		ND		ND		--	
	ug/L	5/14/98	100	ND		ND		ND		ND		--	
	ug/L	11/11/98	100	ND		ND		ND		ND		--	
	ug/L	6/4/99	100	ND		ND		ND		ND		--	
	ug/L	10/29/99	100	ND		ND		ND		ND		--	
	ug/L	4/20/00	100	ND		ND		ND		ND		--	
	ug/L	11/7/00	100	ND		ND		ND		ND		--	
	ug/L	10/16/01	100	ND		--		ND		ND		--	
	ug/L	4/24/02	100	ND		--		ND		ND		--	
	ug/L	10/1/02	100	ND		--		ND		ND		--	
	ug/L	4/9/03	100	ND		--		ND		ND		--	
	ug/L	10/20/03	100	ND		ND		ND		ND		--	
	ug/L	3/24/04	100	ND		ND		ND		ND		--	
	ug/L	10/27/04	100	ND		ND		ND		ND		--	
	ug/L	5/25/05	100	ND		ND		ND		ND		--	
	ug/L	10/4/05	100	ND		ND		ND		ND		--	
	ug/L	4/25/06	100	ND		ND		ND		ND		--	
	ug/L	10/4/06	100	ND		ND		ND		ND		ND	
	ug/L	3/21/07	100	ND		ND		ND		ND		ND	
	ug/L	10/2/07	100	3.51	J	1.73	J	ND		ND		5.5	J
	ug/L	4/3/08	100	ND		ND		ND		ND		ND	
	ug/L	10/29/08	100	ND		--		ND		ND		ND	
	ug/L	3/24/09	100	ND		ND		ND		ND		ND	

TABLE 5

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1		BR-2		BR-3	SW-1	Blanks
Benzene	ug/L	12/5/94	1	ND		ND		ND	ND	--
No SW Standard	ug/L	2/14/95	1	ND		ND		ND	ND	--
	ug/L	4/3/95	1	ND		ND		ND	ND	--
	ug/L	10/30/95	1	ND		ND		ND	ND	--
	ug/L	4/8/96	1	--		ND		ND	ND	--
	ug/L	5/29/96	1	--		ND		ND	ND	--
	ug/L	6/6/96	1	--		ND		ND	ND	--
	ug/L	10/24/96	1	ND		ND		ND	ND	--
	ug/L	4/15/97	1	ND		ND		ND	ND	--
	ug/L	10/29/97	1	ND		ND		ND	ND	--
	ug/L	5/14/98	1	ND		ND		ND	ND	--
	ug/L	11/11/98	1	ND		ND		ND	ND	--
	ug/L	6/4/99	1	ND		ND		ND	ND	--
	ug/L	10/29/99	1	ND		ND		ND	ND	--
	ug/L	4/20/00	1	ND		ND		ND	ND	--
	ug/L	11/7/00	1	ND		ND		ND	ND	--
	ug/L	10/16/01	1	ND		--		ND	ND	--
	ug/L	4/24/02	1	ND		--		ND	ND	--
	ug/L	10/1/02	1	ND		--		ND	ND	--
	ug/L	4/9/03	1	ND		--		ND	ND	--
	ug/L	10/20/03	1	ND		ND		ND	ND	--
	ug/L	3/24/04	1	ND		ND		ND	ND	--
	ug/L	10/27/04	1	ND		ND		ND	ND	--
	ug/L	5/25/05	1	ND		ND		ND	ND	--
	ug/L	10/4/05	1	ND		ND		ND	ND	--
	ug/L	4/25/06	1	ND		ND		ND	ND	--
	ug/L	10/4/06	1	ND		ND		ND	ND	ND
	ug/L	3/21/07	1	ND		0.86	J	ND	ND	ND
	ug/L	10/2/07	1	0.16	J	0.76	J	ND	ND	ND
	ug/L	4/3/08	1	ND		0.39	J	ND	ND	ND
	ug/L	10/29/08	1	0.12	J	--		ND	ND	ND
	ug/L	3/24/09	1	ND		ND		ND	ND	ND
Chlorobenzene	ug/L	12/5/94	3	ND		ND		ND	ND	--
No SW Standard	ug/L	2/14/95	3	ND		ND		ND	ND	--
	ug/L	4/3/95	3	ND		ND		ND	ND	--
	ug/L	10/30/95	3	ND		ND		ND	ND	--
	ug/L	4/8/96	3	--		ND		ND	ND	--
	ug/L	5/29/96	3	--		ND		ND	ND	--
	ug/L	6/6/96	3	--		ND		ND	ND	--
	ug/L	10/24/96	3	ND		ND		ND	ND	--
	ug/L	4/15/97	3	ND		ND		ND	ND	--
	ug/L	10/29/97	3	ND		ND		ND	ND	--
	ug/L	5/14/98	3	ND		ND		ND	ND	--
	ug/L	11/11/98	3	ND		ND		ND	ND	--
	ug/L	6/4/99	3	ND		ND		ND	ND	--
	ug/L	10/29/99	3	ND		ND		ND	ND	--
	ug/L	4/20/00	3	ND		ND		ND	ND	--
	ug/L	11/7/00	3	ND		ND		ND	ND	--
	ug/L	10/16/01	3	ND		--		ND	ND	--
	ug/L	4/24/02	3	ND		--		ND	ND	--
	ug/L	10/1/02	3	ND		--		ND	ND	--
	ug/L	4/9/03	3	ND		--		ND	ND	--
	ug/L	10/20/03	3	ND		ND		ND	ND	--
	ug/L	3/24/04	3	ND		ND		ND	ND	--
	ug/L	10/27/04	3	ND		ND		ND	ND	--
	ug/L	5/25/05	3	ND		ND		ND	ND	--
	ug/L	10/4/05	3	ND		ND		ND	ND	--
	ug/L	4/25/06	3	ND		ND		ND	ND	--
	ug/L	10/4/06	3	ND		ND		ND	ND	ND
	ug/L	3/21/07	3	ND		1.69		ND	ND	ND
	ug/L	10/2/07	3	0.86	J	2.2	J	ND	ND	ND
	ug/L	4/3/08	3	0.43	J	1.22	J	ND	ND	ND
	ug/L	10/29/08	3	0.86	J	--		ND	ND	ND
	ug/L	3/24/09	3	0.53	J	0.72	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	12/5/94	1	ND	ND	ND	ND	--
No SW Standard	ug/L	2/14/95	1	ND	ND	ND	ND	--
	ug/L	4/3/95	1	ND	ND	ND	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--
	ug/L	4/8/96	1	--	ND	ND	ND	--
	ug/L	5/29/96	1	--	ND	ND	ND	--
	ug/L	6/6/96	1	--	ND	ND	ND	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--
	ug/L	4/15/97	1	ND	ND	ND	ND	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--
	ug/L	5/14/98	1	ND	ND	ND	ND	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--
	ug/L	6/4/99	1	ND	ND	ND	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--
	ug/L	4/20/00	1	ND	ND	ND	ND	--
	ug/L	11/7/00	1	ND	ND	ND	ND	--
	ug/L	10/16/01	1	ND	--	ND	ND	--
	ug/L	4/24/02	1	ND	--	ND	ND	--
	ug/L	10/1/02	1	ND	--	ND	ND	--
	ug/L	4/9/03	1	ND	--	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	3/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	5/25/05	1	ND	ND	ND	ND	--
	ug/L	10/4/05	1	ND	ND	ND	ND	--
	ug/L	4/25/06	1	ND	ND	ND	ND	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND
	ug/L	3/21/07	1	ND	ND	ND	ND	ND
	ug/L	10/2/07	1	ND	ND	ND	ND	ND
	ug/L	4/3/08	1	ND	ND	ND	0.14 J	ND
	ug/L	10/29/08	1	ND	--	ND	ND	ND
	ug/L	3/24/09	3	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	12/5/94	5	ND	ND	ND	ND	--
No SW Standard	ug/L	2/14/95	5	ND	ND	ND	ND	--
	ug/L	4/3/95	5	ND	ND	ND	ND	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--
	ug/L	4/8/96	5	--	ND	ND	ND	--
	ug/L	5/29/96	5	--	ND	ND	ND	--
	ug/L	6/6/96	5	--	ND	ND	ND	--
	ug/L	10/24/96	5	ND	ND	ND	ND	--
	ug/L	4/15/97	5	ND	ND	ND	ND	--
	ug/L	10/29/97	5	ND	ND	ND	ND	--
	ug/L	5/14/98	5	ND	ND	ND	ND	--
	ug/L	11/11/98	5	ND	ND	ND	ND	--
	ug/L	6/4/99	5	ND	ND	ND	ND	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--
	ug/L	4/20/00	5	ND	ND	ND	ND	--
	ug/L	11/7/00	5	ND	ND	ND	ND	--
	ug/L	10/16/01	5	ND	--	ND	ND	--
	ug/L	4/24/02	5	ND	--	ND	ND	--
	ug/L	10/1/02	5	ND	--	ND	ND	--
	ug/L	4/9/03	5	ND	--	ND	ND	--
	ug/L	10/20/03	5	ND	ND	ND	ND	--
	ug/L	3/24/04	5	ND	ND	ND	ND	--
	ug/L	10/27/04	5	ND	ND	ND	ND	--
	ug/L	5/25/05	5	ND	ND	ND	ND	--
	ug/L	10/4/05	5	ND	ND	ND	ND	--
	ug/L	4/25/06	5	ND	ND	ND	ND	--
	ug/L	10/4/06	5	ND	ND	ND	ND	ND
	ug/L	3/21/07	5	ND	ND	ND	ND	ND
	ug/L	10/2/07	5	0.27 J	0.23 J	ND	ND	ND
	ug/L	4/3/08	5	0.12 J	ND	ND	ND	ND
	ug/L	10/29/08	5	0.28 J	--	ND	ND	ND
	ug/L	3/24/09	5	ND	0.49 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
1,4-Dichlorobenzene	ug/L	12/5/94	1	ND		ND		ND		--	--
No SW Standard	ug/L	2/14/95	1	ND		ND		ND		--	--
	ug/L	4/3/95	1	ND		ND		ND		--	--
	ug/L	10/30/95	1	ND		ND		ND		ND	--
	ug/L	4/8/96	1	--		ND		ND		--	--
	ug/L	5/29/96	1	--		ND		ND		--	--
	ug/L	6/6/96	1	--		ND		ND		--	--
	ug/L	10/24/96	1	ND		ND		ND		ND	--
	ug/L	4/15/97	1	ND		ND		ND		ND	--
	ug/L	10/29/97	1	ND		ND		ND		ND	--
	ug/L	5/14/98	1	ND		ND		ND		ND	--
	ug/L	11/11/98	1	ND		ND		ND		ND	--
	ug/L	6/4/99	1	ND		ND		ND		ND	--
	ug/L	10/29/99	1	ND		ND		ND		ND	--
	ug/L	4/20/00	1	ND		ND		ND		ND	--
	ug/L	11/7/00	1	ND		ND		ND		ND	--
	ug/L	10/16/01	1	ND		--		ND		ND	--
	ug/L	4/24/02	1	ND		--		ND		ND	--
	ug/L	10/1/02	1	ND		--		ND		ND	--
	ug/L	4/9/03	1	ND		--		ND		ND	--
	ug/L	10/20/03	1	ND		ND		ND		ND	--
	ug/L	3/24/04	1	ND		ND		ND		ND	--
	ug/L	10/27/04	1	ND		ND		ND		ND	--
	ug/L	5/25/05	1	ND		ND		ND		ND	--
	ug/L	10/4/05	1	ND		ND		ND		ND	--
	ug/L	4/25/06	1	ND		ND		ND		ND	--
	ug/L	10/4/06	1	ND		ND		ND		ND	ND
	ug/L	3/21/07	1	0.19	J	2.26		0.37	J	ND	ND
	ug/L	10/2/07	1	0.87	J	3.57		ND		ND	ND
	ug/L	4/3/08	1	0.39	J	1.55	J	ND		ND	ND
	ug/L	10/29/08	1	1.01	J	--		ND		ND	ND
	ug/L	3/24/09	1	0.59	J	2.4		ND		ND	ND
1,1-Dichloroethane	ug/L	12/5/94	5	ND		ND		ND		ND	--
No SW Standard	ug/L	2/14/95	5	ND		ND		ND		ND	--
	ug/L	4/3/95	5	ND		ND		ND		ND	--
	ug/L	10/30/95	5	ND		ND		ND		ND	--
	ug/L	4/8/96	5	--		ND		ND		ND	--
	ug/L	5/29/96	5	--		ND		ND		ND	--
	ug/L	6/6/96	5	--		ND		ND		ND	--
	ug/L	10/24/96	5	ND		ND		ND		ND	--
	ug/L	4/15/97	5	ND		ND		ND		ND	--
	ug/L	10/29/97	5	ND		ND		ND		ND	--
	ug/L	5/14/98	5	ND		ND		ND		ND	--
	ug/L	11/11/98	5	ND		ND		ND		ND	--
	ug/L	6/4/99	5	ND		ND		ND		ND	--
	ug/L	10/29/99	5	ND		ND		ND		ND	--
	ug/L	4/20/00	5	ND		ND		ND		ND	--
	ug/L	11/7/00	5	ND		ND		ND		ND	--
	ug/L	10/16/01	5	ND		--		ND		ND	--
	ug/L	4/24/02	5	ND		--		ND		ND	--
	ug/L	10/1/02	5	ND		--		ND		ND	--
	ug/L	4/9/03	5	ND		--		ND		ND	--
	ug/L	10/20/03	5	ND		ND		ND		ND	--
	ug/L	3/24/04	5	ND		ND		ND		ND	--
	ug/L	10/27/04	5	ND		ND		ND		ND	--
	ug/L	5/25/05	5	ND		ND		ND		ND	--
	ug/L	10/4/05	5	ND		ND		ND		ND	--
	ug/L	4/25/06	5	ND		ND		ND		ND	--
	ug/L	10/4/06	5	ND		ND		ND		ND	ND
	ug/L	3/21/07	5	ND		0.23	J	ND		ND	ND
	ug/L	10/2/07	5	0.21	J	0.41	J	ND		ND	ND
	ug/L	4/3/08	5	0.09	J	0.14	J	ND		ND	ND
	ug/L	10/29/08	5	0.18	J	--		ND		ND	ND
	ug/L	3/24/09	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	12/5/94	5	ND	ND	ND	ND	--
No SW Standard	ug/L	2/14/95	5	ND	ND	ND	ND	--
	ug/L	4/3/95	5	ND	ND	ND	ND	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--
	ug/L	4/8/96	5	--	ND	ND	ND	--
	ug/L	5/29/96	5	--	ND	ND	--	--
	ug/L	6/6/96	5	--	ND	ND	--	--
	ug/L	10/24/96	5	ND	ND	ND	ND	--
	ug/L	4/15/97	5	ND	ND	ND	ND	--
	ug/L	10/29/97	5	ND	ND	ND	ND	--
	ug/L	5/14/98	5	ND	ND	ND	ND	--
	ug/L	11/11/98	5	ND	ND	ND	ND	--
	ug/L	6/4/99	5	ND	ND	ND	ND	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--
	ug/L	4/20/00	5	ND	ND	ND	ND	--
	ug/L	11/7/00	5	ND	ND	ND	ND	--
	ug/L	10/16/01	5	ND	--	ND	ND	--
	ug/L	4/24/02	5	ND	--	ND	ND	--
	ug/L	10/1/02	5	ND	--	ND	ND	--
	ug/L	4/9/03	5	ND	--	ND	ND	--
	ug/L	10/20/03	5	ND	ND	ND	ND	--
	ug/L	3/24/04	5	ND	ND	ND	ND	--
	ug/L	10/27/04	5	ND	ND	ND	ND	--
	ug/L	5/25/05	5	ND	ND	ND	ND	--
	ug/L	10/4/05	5	ND	ND	ND	ND	--
	ug/L	4/25/06	5	ND	ND	ND	ND	--
	ug/L	10/4/06	5	ND	ND	ND	ND	ND
	ug/L	3/21/07	5	0.64 J	ND	ND	ND	ND
	ug/L	10/2/07	5	0.09 J	0.97 J	ND	ND	ND
	ug/L	4/3/08	5	ND	0.71 J	ND	ND	ND
	ug/L	10/29/08	5	ND	--	ND	ND	ND
	ug/L	3/24/09	5	ND	ND	ND	ND	ND
Methylene chloride	ug/L	12/5/94	1	ND	ND	ND	ND	--
No SW Standard	ug/L	2/14/95	1	ND	ND	ND	ND	--
	ug/L	4/3/95	1	ND	ND	ND	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--
	ug/L	4/8/96	1	--	ND	ND	ND	--
	ug/L	5/29/96	1	--	ND	ND	ND	--
	ug/L	6/6/96	1	--	ND	ND	ND	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--
	ug/L	4/15/97	1	ND	ND	ND	ND	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--
	ug/L	5/14/98	1	ND	ND	ND	ND	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--
	ug/L	6/4/99	1	ND	ND	ND	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--
	ug/L	4/20/00	1	ND	ND	ND	ND	--
	ug/L	11/7/00	1	ND	ND	ND	ND	--
	ug/L	10/16/01	1	ND	--	ND	ND	--
	ug/L	4/24/02	1	ND	--	ND	ND	--
	ug/L	10/1/02	1	ND	--	ND	ND	--
	ug/L	4/9/03	1	ND	--	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	3/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	5/25/05	1	ND	ND	ND	ND	--
	ug/L	10/4/05	1	ND	ND	ND	ND	--
	ug/L	4/25/06	1	ND	ND	ND	ND	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND
	ug/L	3/21/07	1	ND	ND	ND	ND	ND
	ug/L	10/2/07	1	ND	ND	ND	ND	0.41 J
	ug/L	4/3/08	1	ND	ND	ND	ND	0.42 J
	ug/L	10/29/08	1	ND	--	ND	0.19 J	ND
	ug/L	3/24/09	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	12/5/94	1	ND	ND	ND	ND	--
No SW Standard	ug/L	2/14/95	1	ND	ND	ND	ND	--
	ug/L	4/3/95	1	ND	ND	ND	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--
	ug/L	4/8/96	1	--	ND	ND	ND	--
	ug/L	5/29/96	1	--	ND	ND	ND	--
	ug/L	6/6/96	1	--	ND	ND	ND	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--
	ug/L	4/15/97	1	ND	ND	ND	ND	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--
	ug/L	5/14/98	1	ND	ND	ND	ND	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--
	ug/L	6/4/99	1	ND	ND	ND	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--
	ug/L	4/20/00	1	ND	ND	ND	ND	--
	ug/L	11/7/00	1	ND	ND	ND	ND	--
	ug/L	10/16/01	1	ND	--	ND	ND	--
	ug/L	4/24/02	1	ND	--	ND	ND	--
	ug/L	10/1/02	1	ND	--	ND	ND	--
	ug/L	4/9/03	1	ND	--	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	3/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	5/25/05	1	ND	ND	ND	ND	--
	ug/L	10/4/05	1	ND	ND	ND	ND	--
	ug/L	4/25/06	1	ND	ND	ND	ND	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND
	ug/L	3/21/07	1	ND	ND	ND	ND	ND
	ug/L	10/2/07	1	ND	0.24 J	ND	ND	ND
	ug/L	4/3/08	1	ND	1.12 J	ND	ND	ND
	ug/L	10/29/08	1	ND	--	ND	ND	ND
	ug/L	3/24/09	1	ND	ND	ND	ND	ND
Toluene	ug/L	12/5/94	1	ND	ND	ND	ND	--
SW Standard = 11 ug/L	ug/L	2/14/95	1	ND	ND	ND	ND	--
	ug/L	4/3/95	1	ND	ND	ND	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--
	ug/L	4/8/96	1	--	ND	ND	ND	--
	ug/L	5/29/96	1	--	ND	ND	ND	--
	ug/L	6/6/96	1	--	ND	ND	ND	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--
	ug/L	4/15/97	1	ND	ND	ND	ND	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--
	ug/L	5/14/98	1	ND	ND	ND	ND	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--
	ug/L	6/4/99	1	ND	ND	ND	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--
	ug/L	4/20/00	1	ND	ND	ND	ND	--
	ug/L	11/7/00	1	ND	ND	ND	ND	--
	ug/L	10/16/01	1	ND	--	ND	ND	--
	ug/L	4/24/02	1	ND	--	ND	ND	--
	ug/L	10/1/02	1	ND	--	ND	ND	--
	ug/L	4/9/03	1	ND	--	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	3/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	5/25/05	1	ND	ND	ND	ND	--
	ug/L	10/4/05	1	ND	ND	ND	ND	--
	ug/L	4/25/06	1	ND	ND	ND	ND	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND
	ug/L	3/21/07	1	ND	0.29 J	ND	ND	ND
	ug/L	10/2/07	1	ND	ND	ND	ND	ND
	ug/L	4/3/08	1	ND	ND	ND	ND	0.6 J
	ug/L	10/29/08	1	ND	--	ND	ND	ND
	ug/L	3/24/09	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	12/5/94	1	ND	ND	ND	ND	--
No SW Standard	ug/L	2/14/95	1	ND	ND	ND	ND	--
	ug/L	4/3/95	1	ND	ND	ND	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--
	ug/L	4/8/96	1	--	ND	ND	ND	--
	ug/L	5/29/96	1	--	ND	ND	ND	--
	ug/L	6/6/96	1	--	ND	ND	ND	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--
	ug/L	4/15/97	1	ND	ND	ND	ND	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--
	ug/L	5/14/98	1	ND	ND	ND	ND	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--
	ug/L	6/4/99	1	ND	ND	ND	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--
	ug/L	4/20/00	1	ND	ND	ND	ND	--
	ug/L	11/7/00	1	ND	ND	ND	ND	--
	ug/L	10/16/01	1	ND	--	ND	ND	--
	ug/L	4/24/02	1	ND	--	ND	ND	--
	ug/L	10/1/02	1	ND	--	ND	ND	--
	ug/L	4/9/03	1	ND	--	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	3/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	5/25/05	1	ND	ND	ND	ND	--
	ug/L	10/4/05	1	ND	ND	ND	ND	--
	ug/L	4/25/06	1	ND	ND	ND	ND	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND
	ug/L	3/21/07	1	ND	ND	ND	ND	ND
	ug/L	10/2/07	1	ND	1 J	ND	ND	ND
	ug/L	4/3/08	1	ND	1.23 J	ND	ND	ND
	ug/L	10/29/08	1	ND	--	ND	ND	ND
	ug/L	3/24/09	1	ND	ND	ND	ND	ND
Vinyl chloride	ug/L	12/5/94	1	ND	ND	ND	ND	--
No SW Standard	ug/L	2/14/95	1	ND	ND	ND	ND	--
	ug/L	4/3/95	1	ND	ND	ND	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--
	ug/L	4/8/96	1	--	ND	ND	ND	--
	ug/L	5/29/96	1	--	ND	ND	ND	--
	ug/L	6/6/96	1	--	ND	ND	ND	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--
	ug/L	4/15/97	1	ND	ND	ND	ND	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--
	ug/L	5/14/98	1	ND	ND	ND	ND	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--
	ug/L	6/4/99	1	ND	ND	ND	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--
	ug/L	4/20/00	1	ND	ND	ND	ND	--
	ug/L	11/7/00	1	ND	ND	ND	ND	--
	ug/L	10/16/01	1	ND	--	ND	ND	--
	ug/L	4/24/02	1	ND	--	ND	ND	--
	ug/L	10/1/02	1	ND	--	ND	ND	--
	ug/L	4/9/03	1	ND	--	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	3/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	5/25/05	1	ND	ND	ND	ND	--
	ug/L	10/4/05	1	ND	ND	ND	ND	--
	ug/L	4/25/06	1	ND	ND	ND	ND	--
	ug/L	10/4/06	1	ND	ND	ND	ND	ND
	ug/L	3/21/07	1	0.52 J	ND	ND	ND	ND
	ug/L	10/2/07	1	ND	0.47 J	ND	ND	ND
	ug/L	4/3/08	1	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	--	ND	ND	ND
	ug/L	3/24/09	1	ND	ND	ND	ND	ND

TABLE 5

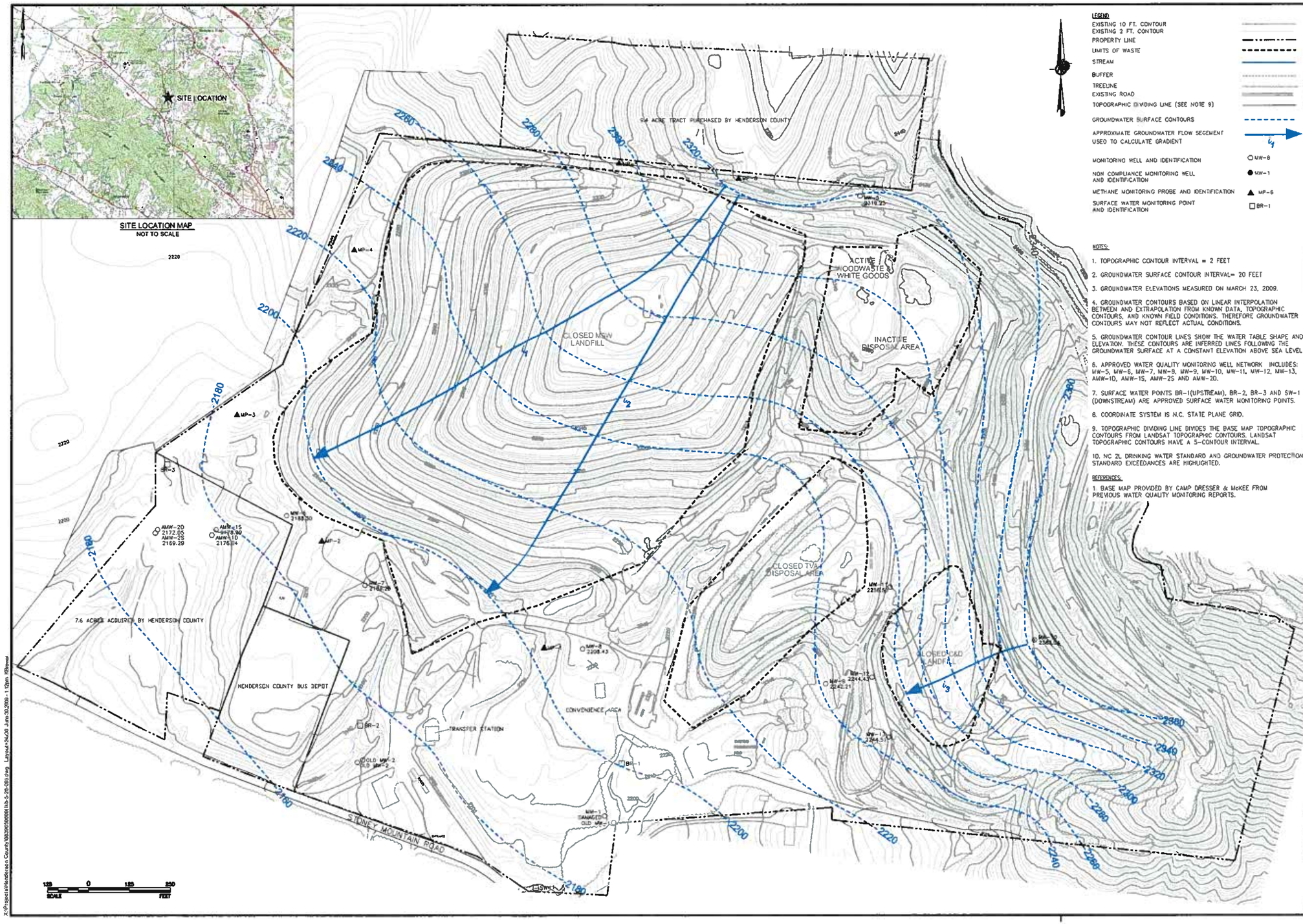
Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	Blanks
Xylenes (Total)	ug/L	12/5/94	5	ND	ND	ND	0.04	--
No SW Standard	ug/L	2/14/95	5	ND	ND	ND	0.071	--
	ug/L	4/3/95	5	ND	ND	ND	0.051	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--
	ug/L	4/8/96	5	--	ND	ND	0.04	--
	ug/L	5/29/96	5	--	ND	ND	--	--
	ug/L	6/6/96	5	--	ND	ND	--	--
	ug/L	10/24/96	5	ND	ND	ND	0.013	--
	ug/L	4/15/97	5	ND	ND	ND	0.03	--
	ug/L	10/29/97	5	ND	ND	ND	ND	--
	ug/L	5/14/98	5	ND	ND	ND	ND	--
	ug/L	11/11/98	5	ND	ND	ND	ND	--
	ug/L	6/4/99	5	ND	ND	ND	ND	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--
	ug/L	4/20/00	5	ND	ND	ND	ND	--
	ug/L	11/7/00	5	ND	ND	ND	ND	--
	ug/L	10/16/01	5	ND	--	ND	ND	--
	ug/L	4/24/02	5	ND	--	ND	ND	--
	ug/L	10/1/02	5	ND	--	ND	ND	--
	ug/L	4/9/03	5	ND	--	ND	0.063	--
	ug/L	10/20/03	5	ND	ND	ND	ND	--
	ug/L	3/24/04	5	ND	ND	ND	ND	--
	ug/L	10/27/04	5	ND	ND	ND	ND	--
	ug/L	5/25/05	5	ND	ND	ND	ND	--
	ug/L	10/4/05	5	ND	ND	ND	ND	--
	ug/L	4/25/06	5	ND	ND	ND	ND	--
	ug/L	10/4/06	5	ND	ND	ND	ND	ND
	ug/L	3/21/07	5	ND	ND	ND	ND	ND
	ug/L	10/2/07	5	ND	0.17 J	ND	ND	ND
	ug/L	4/3/08	5	ND	ND	ND	ND	ND
	ug/L	10/29/08	5	ND	--	ND	ND	ND
	ug/L	3/24/09	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.	3/24/09	--	7.48	7.83	7.50	7.84	--
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	3/24/09	--	620	810	3230	360	--
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	3/24/09	--	13.4	14.8	8.2	14.4	--
Turbidity (field)	NTU	3/24/09	--	34.2	12.7	3.02	6.6	--

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
- NON COMPLIANCE MONITORING WELL AND IDENTIFICATION — MW-1
- METHANE MONITORING PROBE AND IDENTIFICATION — MP-6
- SURFACE WATER MONITORING POINT AND IDENTIFICATION — BR-1

NOTES:

1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET
2. GROUNDWATER SURFACE CONTOUR INTERVAL= 20 FEET
3. GROUNDWATER ELEVATIONS MEASURED ON MARCH 23, 2009.
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-9, MW-10, MW-11, MW-12, MW-13, AMW-1D, AMW-1S, AMW-2S AND AMW-20.
7. SURFACE WATER POINTS BR-1(UPSTREAM), BR-2, BR-3 AND SW-1 (DOWNSTREAM) 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.
10. NC 2L DRINKING WATER STANDARD AND GROUNDWATER PROTECTION STANDARD EXCEEDANCES ARE HIGHLIGHTED.

REFERENCES:

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

Golder Associates
GOLDER ASSOCIATES NC, INC.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	PM

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

TITLE
GROUNDWATER
SURFACE CONTOUR MAP
MARCH 23, 2009

PROJECT No.	083-0000000	
FILE No.		
REV. 0	SCALE	1"=125'
DESIGN	JAD	04/28/09
CADD	LKB	04/28/09
CHECK		
REVIEW		

DWG. 1

APPENDIX I

GROUNDWATER AND SURFACE WATER SAMPLING LOGS

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Well ID: *MW-5* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *70.57* **feet**
Depth to Bottom: *72.92* **feet** **Water Column Thicknes** *2.35* **feet**
Well Volume: *0.38* **gallons** **3x Well Volume:** *1.15* **gallons**
Well Location: *N side of landfill on top of hill overlooking MSW and white goods*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter*
Disposable Polyethelene Bailer, String

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
12:29	5.50	0.13	64.8	15.5	0.0
12:30	5.45	0.10	>1000	14.6	0.4
12:32	5.56	0.10	>1000	14.0	0.8
Well Dry @ 1.0 gallon.					
Sampled @ 9:50 on 3/24/09					
9:50	6.94	0.11	59.0	12.6	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: [signature] **Date:** 3/24/09

QA/QC Sign Off: [signature] **Date:** 4/15/09

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Well ID: *MW-6* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *15.94* **feet**
Depth to Bottom: *19.02* **feet** **Water Column Thickne:** *3.08* **feet**
Well Volume: *0.5* **gallons** **3x Well Volume:** *1.5* **gallons**
Well Location: *along fence/property boundary between flare and old animal shelter*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter Disposable Polyethelene Bailer, String*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
15:20	5.49	0.12	89.1	15.8	0.0
15:21	5.52	0.14	>1000	14.4	0.5
15:23	5.51	0.12	>1000	14.1	1.0
15:25	5.67	0.15	>1000	14.0	1.5
Sampled @ 12:15 on 3/24/09					
12:15	6.43	0.15	60.5	14.9	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: _____ **Date:** 3/24/09

QA/QC Sign Off: _____ **Date:** 4/15/09

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Well ID: *MW-7* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *21.38* **feet**
Depth to Bottom: *27.92* **feet** **Water Column Thickne:** *6.54* **feet**
Well Volume: *1.1* **gallons** **3x Well Volume:** *3.2* **gallons**
Well Location: *near property boundary, along access road, west of transfer station*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter Disposable Polyethelene Bailer, String*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
15:38	5.56	0.32	17	18.3	0.0
15:40	5.38	0.26	280	18.2	1.1
15:42	5.30	0.20	>1000	17.8	2.1
15:44	5.25	0.19	>1000	17.6	3.2
Sampled @ 12:40 on 3/24/09					
12:40	6.42	0.33	29.1	18.5	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: _____ **Date:** 3/24/09

QA/QC Sign Off: _____ **Date:** 4/15/09

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Well ID: *MW-8* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *27.44* **feet**
Depth to Bottom: *29.81* **feet** **Water Column Thickne:** *2.37* **feet**
Well Volume: *0.4* **gallons** **3x Well Volume:** *1.2* **gallons**
Well Location: *along access road and adjacent to north side of recycling center*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter Disposable Polyethelene Bailer, String*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
15:51	5.86	0.98	642	17.4	0.0
15:56	5.97	0.95	>1000	16.5	0.4
16:03	5.75	0.70	>1000	16.5	0.8
16:08	5.84	0.75	>1000	16.3	1.2
Sampled @ 13:10 on 3/24/09					
13:10	6.64	0.73	83.9	17.3	--

Comments (**weather conditions, color, type of sample, purge-water management, etc.**):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: [signature] **Date:** 3/24/09

QA/QC Sign Off: [signature] **Date:** 4/15/09

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County*
Project No./Phase No.: *083-9650609.100*
Well ID: *MW-9*
Sampler(s): *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches**
Int. Depth to Water: *17.80* **feet**
Depth to Bottom: *27.85* **feet**
Water Column Thickne: *10.05* **feet**
Well Volume: *1.6* **gallons**
3x Well Volume: *4.9* **gallons**
Well Location: *W-SW of C&D LF and incised into the tree line*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter Disposable Polyethelene Bailer, String*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
14:32	5.30	0.11	5.64	15.3	0.0
14:36	5.25	0.10	208	14.2	1.6
14:38	5.27	0.10	755	13.6	3.2
14:40	5.30	0.10	661	13.5	4.8
Sampled @ 11:25 on 3/24/09					
11:25	6.31	0.12	9.04	13.7	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: _____ **Date:** 3/24/09

QA/QC Sign Off: _____ **Date:** 4/15/09

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Well ID: *AMW-1S* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *14.10* **feet**
Depth to Bottom: *31.72* **feet** **Water Column Thickne:** *17.62* **feet**
Well Volume: *2.9* **gallons** **3x Well Volume:** *8.6* **gallons**
Well Location: *south of western extent of property boundary in field by kennel*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter Disposable Polyethelene Bailer, String*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
16:37	5.24	0.11	12.7	15.2	0.0
16:40	5.86	0.70	543	14.2	2.9
16:44	6.05	1.01	560	13.9	5.7
16:48	6.13	1.15	589	14.2	8.6
Sampled @ 14:35 on 3/24/09					
14:35	6.21	0.20	18.8	17.6	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: *[signature]* **Date:** *3/24/09*

QA/QC Sign Off: *[signature]* **Date:** *4/15/09*

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Well ID: *AMW-1D* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *14.73* **feet**
Depth to Bottom: *62.65* **feet** **Water Column Thickne:** *47.92* **feet**
Well Volume: *7.8* **gallons** **3x Well Volume:** *23.4* **gallons**
Well Location: *south of western extent of property boundary in field by kennel*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter Disposable Polyethelene Bailer, String*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
16:56	6.26	0.72	5.08	14.8	0.0
17:05	6.07	0.74	57.2	14.6	7.8
17:24	6.16	0.69	55.1	15.1	15.6
17:44	6.15	0.63	64.0	13.9	23.4
Sampled @ 14:50 on 3/24/09					
14:50	6.82	0.65	4.37	16.8	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: _____ **Date:** 3/24/09

QA/QC Sign Off: _____ **Date:** 4/15/09

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Well ID: *AMW-2S* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *8.37* **feet**
Depth to Bottom: *25.06* **feet** **Water Column Thicknes** *16.69* **feet**
Well Volume: *2.7* **gallons** **3x Well Volume:** *8.2* **gallons**
Well Location: *south of western extent of property boundary next to stream by kennel*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter Disposable Polyethelene Bailer, String*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
8:09	6.83	0.22	22.6	8.2	0.0
8:14	6.82	0.43	>1000	10.1	2.7
8:25	6.94	0.52	>1000	11.2	5.4
8:31	7.11	0.51	>1000	11.1	8.2
Sampled @ 15:10 on 3/24/09					
15:10	7.11	0.61	41.1	13.6	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: _____ **Date:** 3/24/09

QA/QC Sign Off: _____ **Date:** 4/15/09

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Well ID: *AMW-2D* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *5.53* **feet**
Depth to Bottom: *82.54* **feet** **Water Column Thicknes** *77.01* **feet**
Well Volume: *12.6* **gallons** **3x Well Volume:** *37.7* **gallons**
Well Location: *south of western extent of property boundary next to stream by kennel*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter Disposable Polyethelene Bailer, String*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
8:01	7.04	0.08	10.6	8.5	0.0
8:18	7.57	0.10	19.3	11.6	12.6
8:36	7.37	0.10	19.1	12.0	25.1
8:59	7.32	0.12	14.9	12.7	37.7
Sampled @ 15:25 on 3/24/09					
15:25	7.56	0.13	17.2	11.9	--

Comments (**weather conditions, color, type of sample, purge-water management, etc.**):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: Ryan Stringfellow **Date:** 3/24/09
QA/QC Sign Off: [illegible] **Date:** 4/15/09

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County*
Project No./Phase No.: *083-9650609.100*
Well ID: *MW-10*
Sampler(s): *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches**
Int. Depth to Water: *41.51* **feet**
Depth to Bottom: *46.64* **feet**
Water Column Thickne: *5.13* **feet**
Well Volume: *0.8* **gallons**
3x Well Volume: *2.5* **gallons**
Well Location: *overlooking C&D LF*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter Disposable Polyethelene Bailer, String*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
14:58	5.86	0.05	66.3	16.9	0.0
15:01	5.71	0.04	>1000	15.0	0.8
15:03	5.73	0.04	>1000	14.9	1.7
15:05	5.77	0.05	>1000	14.8	2.5
Sampled @ 11:45 on 3/24/09					
11:45	6.78	0.05	76.2	16.0	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty
Note: C&D Monitoring Well

Signature: _____ **Date:** 3/24/09

QA/QC Sign Off: _____ **Date:** 4/15/09

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Well ID: *MW-11* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *40.51* **feet**
Depth to Bottom: *48.17* **feet** **Water Column Thickne:** *7.66* **feet**
Well Volume: *1.2* **gallons** **3x Well Volume:** *3.7* **gallons**
Well Location: *along access road that skirts along the bottom of west extent of C&D*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter Disposable Polyethelene Bailer, String*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
12:54	5.19	0.46	12.9	16.2	0.0
12:57	5.33	0.54	53.8	15.4	1.2
12:59	5.32	0.52	65.4	15.0	2.5
13:02	5.31	0.51	183	14.9	3.7
Sampled @ 10:30 on 3/24/09					
10:30	6.22	0.45	13.8	14.7	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty
Note: C&D Monitoring Well

Signature: _____ **Date:** 3/24/09

QA/QC Sign Off: _____ **Date:** 4/15/09

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Well ID: *MW-12* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *55.66* **feet**
Depth to Bottom: *61.75* **feet** **Water Column Thickne:** *6.09* **feet**
Well Volume: *1.0* **gallons** **3x Well Volume:** *3.0* **gallons**
Well Location: *along access road that skirts along the bottom of west extent of C&D*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter Disposable Polyethelene Bailer, String*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
13:17	5.46	0.28	40.7	15.9	0.0
13:18	5.47	0.28	>1000	14.7	1.0
13:23	5.52	0.28	>1000	15.7	2.0
13:26	5.55	0.27	>1000	14.8	3.0
Sampled @ 10:47 on 3/24/09					
10:47	6.46	0.15	149	14.1	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty
Note: C&D Monitoring Well

Signature: _____ **Date:** 3/24/09

QA/QC Sign Off: _____ **Date:** 4/15/09

Golder Associates

DATE: *3/23-24/2009*

GROUNDWATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Well ID: *MW-13* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *55.73* **feet**
Depth to Bottom: *89.95* **feet** **Water Column Thickne:** *34.22* **feet**
Well Volume: *5.6* **gallons** **3x Well Volume:** *16.7* **gallons**
Well Location: *along access road that skirts along the bottom of west extent of C&D*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter, Solinst WL Meter Disposable Polyethelene Bailer, String*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
13:42	6.03	0.19	8.35	15.5	0.0
13:53	5.83	0.15	243	14.3	5.6
14:08	5.76	0.16	>1000	14.5	11.2
14:27	5.86	0.16	>1000	15.4	16.7
Sampled @ 11:04 on 3/24/09					
11:04	6.84	0.23	108	15.8	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
3/23 - Temp: 29-68°F, Humidity: 61%, Precip: 0.00 in, Pressure: 30.30 inHg, Wind: 5 mph
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty
Note: C&D Monitoring Well

Signature: [signature] **Date:** 3/24/09

QA/QC Sign Off: [signature] **Date:** 4/15/09

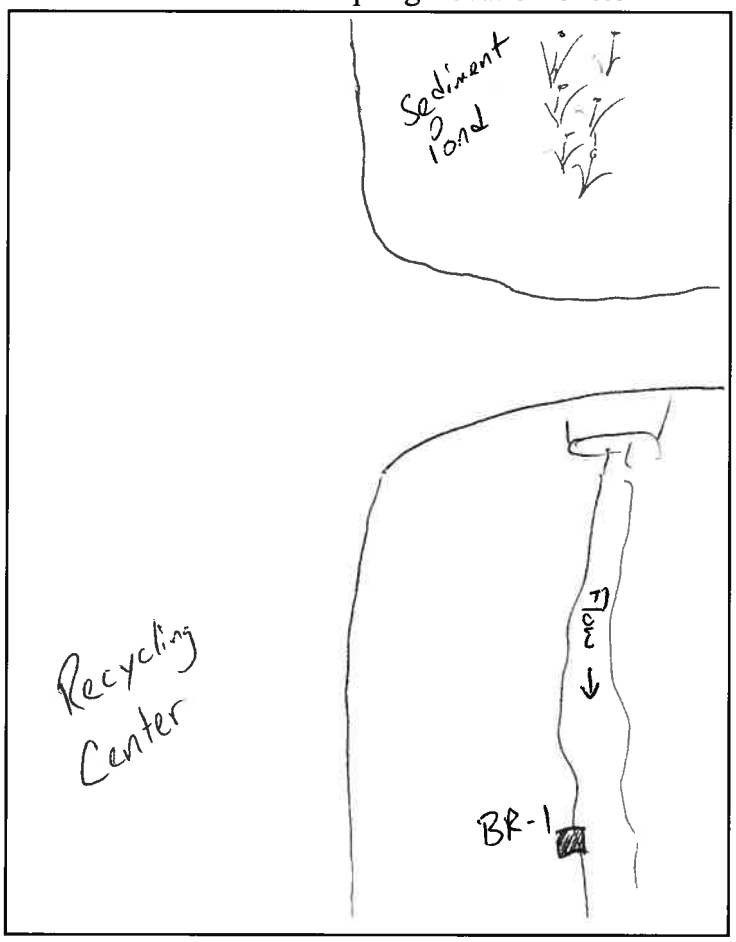
DATE: *3/24/2009*

SURFACE WATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Sample ID: *BR-1* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Sampling Location: *100 ft downstream of outfall next to recycling center*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter*

Time	13:45
pH s.u.	7.48
Cond. mS/cm	0.62
Turb. ntu	34.2
Dis. O_2 mg/L	--
Temp. °C	13.4
TDS Sal	--
ORP mv	--

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: *Ryan Stringfellow* **Date:** *3/24/09*

QA/QC Sign Off: *[illegible]* **Date:** *4/15/09*

Golder Associates

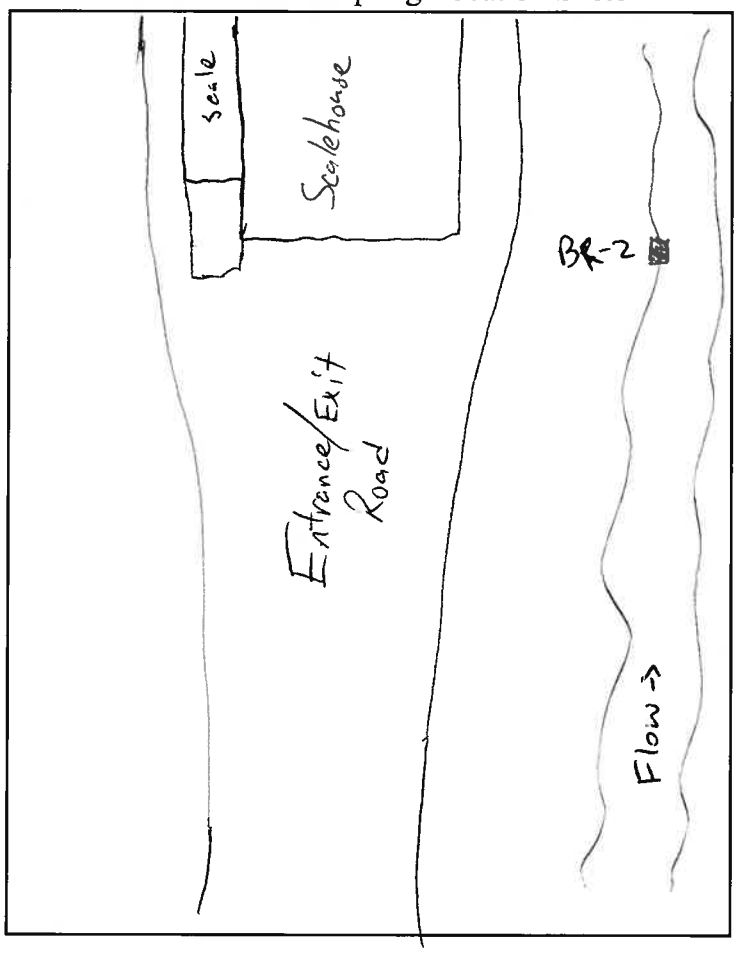
DATE: *3/24/2009*

SURFACE WATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Sample ID: *BR-2* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Sampling Location: *across exit road from scalehouse and down the hill*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter*

Time	14:00
pH s.u.	7.83
Cond. mS/cm	0.81
Turb. ntu	12.7
Dis. O_2 mg/L	--
Temp. °C	14.8
TDS Sal	--
ORP mv	--

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: [signature] **Date:** 3/24/09

QA/QC Sign Off: [signature] **Date:** 4/15/09

Golder Associates

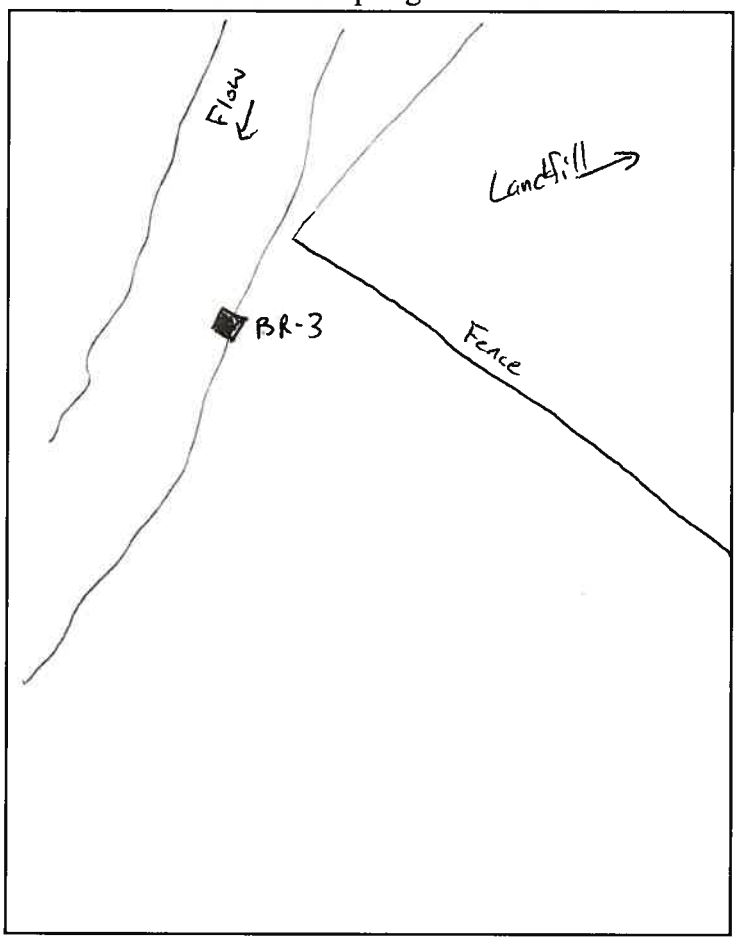
DATE: *3/24/2009*

SURFACE WATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Sample ID: *BR-3* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Sampling Location: *At the property-line fence near AMW-2S and 2D*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter*

Time	9:08
pH s.u.	7.50
Cond. mS/cm	3.23
Turb. ntu	3.02
Dis. O_2 mg/L	--
Temp. °C	8.2
TDS Sal	--
ORP mv	--

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: [signature] **Date:** 3/24/09

QA/QC Sign Off: [signature] **Date:** 4/5/09

Golder Associates

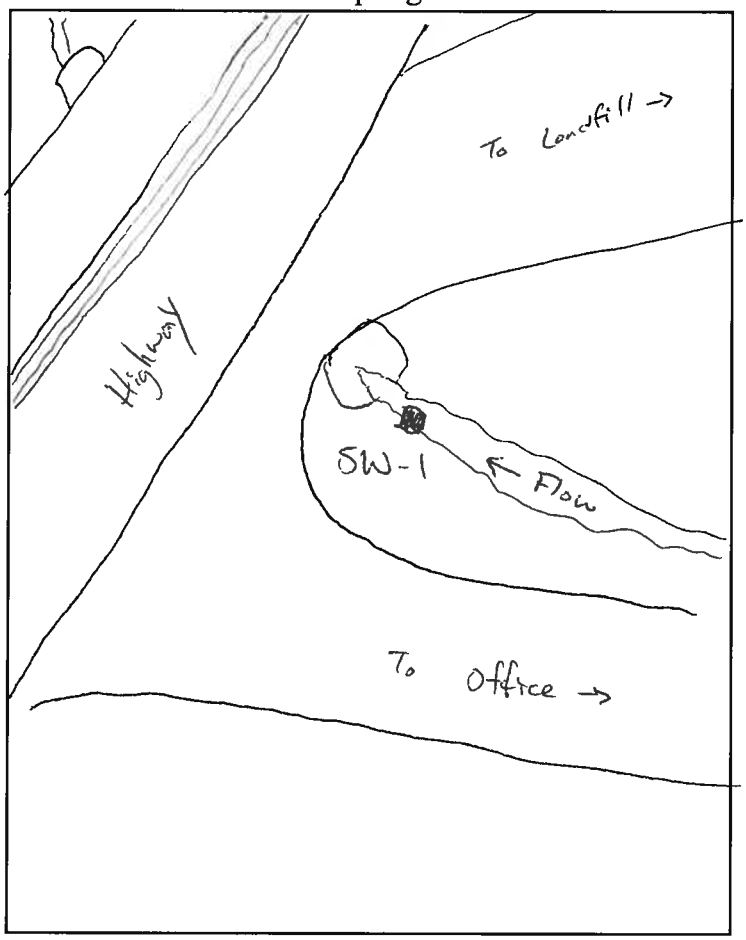
DATE: *3/24/2009*

SURFACE WATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *083-9650609.100*
Sample ID: *SW-1* **Sampler(s):** *Dusty Reedy / Ryan Stringfellow*
Sampling Location: *at culvert between entrance roads to LF and office*
Equipment: *Hanna HI991301 WQM, Hach 2100P Turbidimeter*

Time	16:00
pH s.u.	7.84
Cond. mS/cm	0.36
Turb. ntu	6.58
Dis. O_2 mg/L	--
Temp. °C	14.4
TDS Sal	--
ORP mv	--

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
3/24 - Temp: 30-67°F, Humidity: 63%, Precip: 0.00 in, Pressure: 30.24 inHg, Wind: gusty

Signature: [signature] **Date:** 3/24/09

QA/QC Sign Off: [signature] **Date:** 4/15/09

Golder Associates

WELL CONDITION SUMMARY

DATE: 3-24-09

Project Name Henderson County

Personnel R. Stringfellow / D. Reedy

Project No./Task No. 083-9650609

Page 1 of 2

Well ID	Protective Casing	Well Casing	Label	Lock	Pad Condition	Depth of Well (Feet)	General Turbudity	Comments/ Observations*
MW-5	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	72.92	☑ Clear ☐ Turbid	lock is very rusty
MW-6	☑ OK ☑ Damaged	☑ OK ☐ Damaged	☐ OK ☑ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	19.02	☑ Clear ☐ Turbid	hinge broken
MW-7	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☐ OK ☑ Damaged	27.92	☑ Clear ☐ Turbid	pad busted lock very rusted
MW-8	☐ OK ☑ Damaged	☐ OK ☑ Damaged	☐ OK ☑ Inadequate	☐ Yes ☑ No	☐ OK ☑ Damaged	29.81	☑ Clear ☐ Turbid	
MW-9	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	27.85	☑ Clear ☐ Turbid	replaced lock
MW-10	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☐ OK ☑ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	46.64	☑ Clear ☐ Turbid	
MW-11	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☐ OK ☑ Inadequate	☑ Yes ☐ No	☐ OK ☐ Damaged	48.17	☑ Clear ☐ Turbid	no pad rusted lock
MW-12	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☐ OK ☑ Inadequate	☑ Yes ☐ No	☐ OK ☐ Damaged	61.75	☐ Clear ☑ Turbid	pad buried
MW-13	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☐ OK ☑ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	89.95	☐ Clear ☑ Turbid	replaced lock
AMW-1S	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☐ OK ☑ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	31.72	☑ Clear ☐ Turbid	
AMW-1D	☐ OK ☑ Damaged	☑ OK ☐ Damaged	☐ OK ☑ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	62.65	☑ Clear ☐ Turbid	hinge broken
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☑ Clear ☐ Turbid	

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

Signature: [signature] Date: 3-24-09

Golder Associates

WELL CONDITION SUMMARY

DATE: 3-24-09

Project Name Henderson County LF

Project No./Task No. 083-9650609

Personnel R. Stringfellow / D. Reedy

Page 2 of 2

Well ID	Protective Casing	Well Casing	Label	Lock	Pad Condition	Depth of Well (Feet)	General Turbudity	Comments/ Observations*
AMW-2S	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	25.06	☑ Clear ☐ Turbid	
AMW-2D	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	82.54	☑ Clear ☐ Turbid	replaced lock
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	

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

Signature: [signature] Date: 3-24-09

APPENDIX II

MARCH 2009 CERTIFICATES-OF-ANALYSIS, CHAIN-OF-CUSTODY FORMS AND LABORATORY DATA REVIEWS

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 7, 2009

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

The Wingate Building 4900 Koger Blvd., Suite 140

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 08396506009.100, Project Name/Desc: Henderson Co. LF
ENCO Workorder: C903307

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, March 25, 2009.

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 169.

PROJECT NARRATIVE

Date: 07 April 2009
Client: Golder Associates
Project: Henderson Co. LF
Lab ID: C903307

Overview

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

Quality Control Samples

Thallium was detected at a low-level concentration (less than half of the MRL) in the 6020 Method Blank. Detections of this analyte that are not greater than ten times that of the concentration in the Method Blank should be considered to have a possible high bias. The spike recoveries of Antimony and Mercury were outside of control limits for the MS, MSD, and/or PS samples. The QC batches for these analytes were approved based on acceptable recovery of the analytes in the LCS samples.

The surrogate spike recovery of 2,4,5,6-TCMX and/or Decachlorobiphenyl in the 8081A/8082 Method Blank and/or the associated samples was outside of control limits. The associated samples did not have any detections for any of the analytes in these analyses. The spike recovery of gamma-BHC and PCB 1016/1242 was outside of control limits for the MS and/or MSD samples. The QC batches for these analytes were approved based on acceptable recovery of the analytes in the LCS samples.

The spike recovery of Pyrene in the 8270C analysis was outside of control limits for the MS and/or MSD samples. The QC batch for this analyte was approved based on acceptable recovery of the analyte in the LCS sample.

The relative percent difference of the spike recovery of 2,4,5-TP (Silvex) in the 8151A analysis was outside of control limits for the MS and MSD samples. The QC batch for this analyte was approved based on acceptable recovery of the analyte in the LCS sample and completeness of the QC data. The continuing calibration verification standard for Pentachlorophenol exhibited a high bias. None of the associated samples had a detection of this analyte.

The spike recovery of Chloride, Cyanide, and Sulfide was outside of control limits for the MS and/or MSD samples. The QC batches for these analytes were approved based on acceptable recovery of the analytes in the LCS samples. The spike recovery of Sulfate could not be accurately calculated for the MS and MSD samples due to the high analyte content in the source sample. The QC batch for this analyte was approved based on acceptable recovery of the analyte in the LCS sample and completeness of the QC data.

Quality Control Remarks

No Comments

Other Comments

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

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

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4501-MW5 (Background) **Lab ID:** C903307-01 **Sampled:** 03/24/09 09:50 **Received:** 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/07/09		03/27/09	10:50	3/30/2009 07:55
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009 14:34
EPA 6020	09/20/09		03/25/09	14:51	3/27/2009 11:40
EPA 7470A	04/21/09		03/25/09	14:57	3/26/2009 14:06
EPA 8081A	03/31/09	05/06/09	03/27/09	13:08	3/30/2009 11:22
EPA 8082	03/24/10	03/27/10	03/27/09	13:08	3/30/2009 11:22
EPA 8151A	03/31/09	05/05/09	03/26/09	18:07	4/1/2009 03:26
EPA 8260B	04/07/09		03/26/09	10:03	3/26/2009 17:04
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/31/2009 15:25
SM18 4500-S D	03/31/09		03/30/09	15:40	3/30/2009 15:50

Client ID: 4501-MW6 **Lab ID:** C903307-02 **Sampled:** 03/24/09 12:15 **Received:** 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/07/09		03/27/09	10:50	3/30/2009 07:57
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009 14:37
EPA 6020	09/20/09		03/25/09	14:51	3/27/2009 11:43
EPA 7470A	04/21/09		03/25/09	14:57	3/26/2009 14:09
EPA 8081A	03/31/09	05/06/09	03/27/09	13:08	3/30/2009 11:35
EPA 8082	03/24/10	03/27/10	03/27/09	13:08	3/30/2009 11:35
EPA 8151A	03/31/09	05/05/09	03/26/09	18:07	4/1/2009 04:03
EPA 8260B	04/07/09		03/27/09	07:57	3/27/2009 15:04
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/31/2009 15:54
SM18 4500-S D	03/31/09		03/30/09	15:40	3/30/2009 15:50

Client ID: 4501-MW7 **Lab ID:** C903307-03 **Sampled:** 03/24/09 12:40 **Received:** 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/07/09		03/27/09	10:50	3/30/2009 07:59
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009 14:39
EPA 6020	09/20/09		03/25/09	14:51	3/27/2009 11:47
EPA 7470A	04/21/09		03/25/09	14:57	3/26/2009 16:19
EPA 8081A	03/31/09	05/06/09	03/27/09	13:08	3/30/2009 11:48
EPA 8082	03/24/10	03/27/10	03/27/09	13:08	3/30/2009 11:48
EPA 8151A	03/31/09	05/05/09	03/26/09	18:07	4/1/2009 04:41
EPA 8260B	04/07/09		03/26/09	10:03	3/26/2009 19:04
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/31/2009 16:24
SM18 4500-S D	03/31/09		03/30/09	15:40	3/30/2009 15:50

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Client ID:	4501-MW8 (MS/MSD)	Lab ID:	C903307-04	Sampled:	03/24/09 13:10	Received:	03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/07/09		03/27/09	10:50	3/30/2009 08:01
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009 14:23
EPA 6020	09/20/09		03/25/09	14:51	3/27/2009 11:23
EPA 7470A	04/21/09		03/25/09	14:57	3/26/2009 13:52
EPA 8081A	03/31/09	05/06/09	03/27/09	13:08	3/30/2009 12:01
EPA 8082	03/24/10	03/27/10	03/27/09	13:08	3/30/2009 12:01
EPA 8151A	03/31/09	05/05/09	03/26/09	18:07	4/1/2009 02:11
EPA 8260B	04/07/09		03/26/09	10:03	3/26/2009 13:05
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/31/2009 13:55
SM18 4500-S D	03/31/09		03/30/09	15:40	3/30/2009 15:50

Client ID:	4501-MW9	Lab ID:	C903307-05	Sampled:	03/24/09 11:25	Received:	03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/07/09		03/27/09	15:05	3/30/2009 08:09
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009 14:48
EPA 6020	09/20/09		03/25/09	14:51	3/27/2009 11:57
EPA 7470A	04/21/09		03/25/09	14:57	3/26/2009 14:21
EPA 8081A	03/31/09	05/06/09	03/27/09	13:08	3/30/2009 12:14
EPA 8082	03/24/10	03/27/10	03/27/09	13:08	3/30/2009 12:14
EPA 8151A	03/31/09	05/05/09	03/26/09	18:07	4/1/2009 05:19
EPA 8260B	04/07/09		03/26/09	10:03	3/26/2009 19:34
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/31/2009 16:54
SM18 4500-S D	03/31/09		03/30/09	15:40	3/30/2009 15:50

Client ID:	4501-AMW1S	Lab ID:	C903307-06	Sampled:	03/24/09 14:35	Received:	03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/07/09		03/27/09	15:05	3/30/2009 08:11
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009 14:51
EPA 6020	09/20/09		03/25/09	14:51	3/27/2009 12:01
EPA 7470A	04/21/09		03/25/09	14:57	3/26/2009 14:24
EPA 8081A	03/31/09	05/06/09	03/27/09	13:08	3/30/2009 12:27
EPA 8082	03/24/10	03/27/10	03/27/09	13:08	3/30/2009 12:27
EPA 8151A	03/31/09	05/05/09	03/26/09	18:07	4/1/2009 05:56
EPA 8260B	04/07/09		03/26/09	10:03	3/26/2009 20:03
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/31/2009 17:24
SM18 4500-S D	03/31/09		03/30/09	15:40	3/30/2009 15:50

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Client ID: 4501-AMW1D	Lab ID: C903307-07	Sampled: 03/24/09 14:50	Received: 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/07/09		03/27/09	15:05	3/30/2009 08:12
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009 14:53
EPA 6020	09/20/09		03/25/09	14:51	3/27/2009 12:04
EPA 7470A	04/21/09		03/25/09	14:57	3/26/2009 14:27
EPA 8081A	03/31/09	05/06/09	03/27/09	13:08	3/30/2009 12:41
EPA 8082	03/24/10	03/27/10	03/27/09	13:08	3/30/2009 12:41
EPA 8151A	03/31/09	05/05/09	03/26/09	18:07	4/1/2009 06:33
EPA 8260B	04/07/09		03/27/09	07:57	3/27/2009 13:01
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/31/2009 17:54
SM18 4500-S D	03/31/09		03/30/09	15:40	3/30/2009 15:50

Client ID: 4501-AMW2S	Lab ID: C903307-08	Sampled: 03/24/09 15:10	Received: 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/07/09		03/27/09	15:05	3/30/2009 08:14
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009 14:55
EPA 6020	09/20/09		03/25/09	14:51	3/27/2009 12:07
EPA 7470A	04/21/09		03/25/09	14:57	3/26/2009 14:30
EPA 8081A	03/31/09	05/06/09	03/27/09	13:08	3/30/2009 12:54
EPA 8082	03/24/10	03/27/10	03/27/09	13:08	3/30/2009 12:54
EPA 8151A	03/31/09	05/05/09	03/26/09	18:07	4/1/2009 07:11
EPA 8260B	04/07/09		03/27/09	07:57	3/27/2009 13:31
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/31/2009 18:24
SM18 4500-S D	03/31/09		03/30/09	15:40	3/30/2009 15:50

Client ID: 4501-AMW2D	Lab ID: C903307-09	Sampled: 03/24/09 15:25	Received: 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/07/09		03/27/09	15:05	3/30/2009 08:16
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009 14:58
EPA 6020	09/20/09		03/25/09	14:51	3/27/2009 12:11
EPA 7470A	04/21/09		03/25/09	14:57	3/26/2009 14:33
EPA 8081A	03/31/09	05/06/09	03/27/09	13:08	3/30/2009 13:07
EPA 8082	03/24/10	03/27/10	03/27/09	13:08	3/30/2009 13:07
EPA 8151A	03/31/09	05/05/09	03/26/09	18:07	4/1/2009 07:48
EPA 8260B	04/07/09		03/27/09	07:57	3/27/2009 14:04
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/31/2009 18:54
SM18 4500-S D	03/31/09		03/30/09	15:40	3/30/2009 15:50

Client ID: 4501-BR1	Lab ID: C903307-10	Sampled: 03/24/09 13:45	Received: 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	09/20/09		03/25/09	14:45	3/26/2009 11:55
EPA 6020	09/20/09		03/25/09	14:50	3/27/2009 12:48
EPA 8260B	04/07/09		03/27/09	07:57	3/27/2009 14:34

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Client ID: 4501-BR2	Lab ID: C903307-11	Sampled: 03/24/09 14:00	Received: 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	09/20/09		03/25/09	14:45	3/26/2009 11:57
EPA 6020	09/20/09		03/25/09	14:50	3/27/2009 12:52
EPA 8260B	04/07/09		03/27/09	07:57	3/27/2009 15:34

Client ID: 4501-BR3	Lab ID: C903307-12	Sampled: 03/24/09 09:08	Received: 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	09/20/09		03/25/09	14:45	3/26/2009 12:00
EPA 6020	09/20/09		03/25/09	14:50	3/27/2009 12:55
EPA 8260B	04/07/09		03/27/09	07:57	3/27/2009 16:04

Client ID: 4501-SW1	Lab ID: C903307-13	Sampled: 03/24/09 16:00	Received: 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	09/20/09		03/25/09	14:45	3/26/2009 12:02
EPA 6020	09/20/09		03/25/09	14:50	3/27/2009 12:59
EPA 8260B	04/07/09		03/27/09	07:57	3/27/2009 16:34

Client ID: 4501-Field Blank	Lab ID: C903307-14	Sampled: 03/24/09 15:35	Received: 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/07/09		03/27/09	15:05	3/30/2009 08:17
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009 15:00
EPA 6020	09/20/09		03/25/09	14:51	3/27/2009 12:14
EPA 7470A	04/21/09		03/25/09	14:57	3/26/2009 14:35
EPA 8081A	03/31/09	05/06/09	03/27/09	13:08	3/30/2009 13:20
EPA 8082	03/24/10	03/27/10	03/27/09	13:08	3/30/2009 13:20
EPA 8151A	03/31/09	05/05/09	03/26/09	18:07	4/1/2009 08:26
EPA 8260B	04/07/09		03/27/09	07:57	3/27/2009 17:04
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/31/2009 19:24
SM18 4500-S D	03/31/09		03/30/09	15:40	3/30/2009 15:50

Client ID: 4501-Trip Blank	Lab ID: C903307-15	Sampled: 03/24/09 09:08	Received: 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	04/07/09		03/27/09	07:57	3/27/2009 12:31

Client ID: 4501-MW10	Lab ID: C903307-16	Sampled: 03/24/09 11:45	Received: 03/25/09 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	04/21/09		03/29/09	07:38	3/30/2009 01:41
EPA 310.2	04/07/09		03/26/09	08:35	3/26/2009 11:54
EPA 6010B	09/20/09		03/25/09	14:45	3/26/2009 12:05
EPA 6020	09/20/09		03/25/09	14:50	3/27/2009 13:02
EPA 7470A	04/21/09		03/25/09	14:55	3/26/2009 15:50
EPA 8260B	04/07/09		03/27/09	07:57	3/27/2009 17:34
SM 2540C	03/31/09		03/26/09	15:45	3/30/2009 11:45
SM4500-Cl/E	04/21/09		03/26/09	08:32	3/26/2009 10:22

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Client ID:	4501-MW11 (MS/MSD)	Lab ID:	C903307-17	Sampled:	03/24/09 10:30	Received:	03/25/09 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 310.2	04/07/09	03/26/09	08:35	3/26/2009	11:48
EPA 6010B	09/20/09	03/25/09	14:45	3/26/2009	11:43
EPA 6020	09/20/09	03/25/09	14:50	3/27/2009	12:24
EPA 7470A	04/21/09	03/25/09	14:55	3/26/2009	14:47
EPA 8260B	04/07/09	03/27/09	07:57	3/27/2009	18:03
SM 2540C	03/31/09	03/26/09	15:45	3/30/2009	11:45

Client ID:	4501-MW11 (MS/MSD)	Lab ID:	C903307-17RE1	Sampled:	03/24/09 10:30	Received:	03/25/09 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	04/21/09	03/29/09	07:38	3/30/2009	12:21
SM4500-Cl/E	04/21/09	03/30/09	17:30	3/30/2009	17:35

Client ID:	4501-MW12	Lab ID:	C903307-18	Sampled:	03/24/09 10:47	Received:	03/25/09 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	04/21/09	03/29/09	07:38	3/30/2009	04:21
EPA 310.2	04/07/09	03/26/09	08:35	3/26/2009	11:57
EPA 6010B	09/20/09	03/25/09	14:45	3/26/2009	12:14
EPA 6020	09/20/09	03/25/09	14:50	3/27/2009	13:06
EPA 7470A	04/21/09	03/25/09	14:55	3/26/2009	15:53
EPA 8260B	04/07/09	03/27/09	07:57	3/27/2009	18:34
SM 2540C	03/31/09	03/26/09	15:45	3/30/2009	11:45
SM4500-Cl/E	04/21/09	03/26/09	08:32	3/26/2009	10:23

Client ID:	4501-MW13	Lab ID:	C903307-19	Sampled:	03/24/09 11:04	Received:	03/25/09 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	04/21/09	03/29/09	07:38	3/30/2009	04:48
EPA 310.2	04/07/09	03/26/09	08:35	3/26/2009	11:58
EPA 6010B	09/20/09	03/25/09	14:45	3/26/2009	12:16
EPA 6020	09/20/09	03/25/09	14:50	3/27/2009	13:09
EPA 7470A	04/21/09	03/25/09	14:55	3/26/2009	15:56
EPA 8260B	04/07/09	03/27/09	07:57	3/27/2009	19:04
SM 2540C	03/31/09	03/26/09	15:45	3/30/2009	11:45
SM4500-Cl/E	04/21/09	03/26/09	08:32	3/26/2009	10:24

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4501-MW5 (Background) **Lab ID:** C903307-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	26.2	J	1	4.20	10.0	100	ug/L	EPA 6010B	
Beryllium - Total	0.35	J	1	0.08	1.00	1	ug/L	EPA 6010B	
Cobalt - Total	0.6	J	1	0.6	10.0	10	ug/L	EPA 6010B	
Copper - Total	2.32	J	1	0.81	10.0	10	ug/L	EPA 6010B	
Lead - Total	3.3	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Thallium - Total	0.051	JB	1	0.036	1.00	5.5	ug/L	EPA 6020	J-01
Vanadium - Total	2.2	J	1	0.7	10.0	25	ug/L	EPA 6010B	
Zinc - Total	10.7		1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-MW6 **Lab ID:** C903307-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	280		1	1.5	5.0	100	ug/L	EPA 8260B	
Barium - Total	54.5	J	1	4.20	10.0	100	ug/L	EPA 6010B	
Beryllium - Total	0.20	J	1	0.08	1.00	1	ug/L	EPA 6010B	
Cadmium - Total	0.22	J	1	0.09	1.00	1	ug/L	EPA 6010B	
Chromium - Total	1.0	J	1	0.7	10.0	10	ug/L	EPA 6010B	
Cobalt - Total	3.1	J	1	0.6	10.0	10	ug/L	EPA 6010B	
Copper - Total	4.96	J	1	0.81	10.0	10	ug/L	EPA 6010B	
Lead - Total	5.6	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Nickel - Total	3.9	J	1	0.6	10.0	50	ug/L	EPA 6010B	
Thallium - Total	0.090	JB	1	0.036	1.00	5.5	ug/L	EPA 6020	J-01
Vanadium - Total	3.2	J	1	0.7	10.0	25	ug/L	EPA 6010B	
Zinc - Total	56.3		1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-MW7 **Lab ID:** C903307-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.83	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	6.4		1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	203		1	4.20	10.0	100	ug/L	EPA 6010B	
Beryllium - Total	0.82	J	1	0.08	1.00	1	ug/L	EPA 6010B	
Cadmium - Total	0.18	J	1	0.09	1.00	1	ug/L	EPA 6010B	
Chlorobenzene	4.6		1	0.27	1.0	3	ug/L	EPA 8260B	
Chromium - Total	1.6	J	1	0.7	10.0	10	ug/L	EPA 6010B	
cis-1,2-Dichloroethene	4.9	J	1	0.36	1.0	5	ug/L	EPA 8260B	
Lead - Total	1.6	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Thallium - Total	0.080	JB	1	0.036	1.00	5.5	ug/L	EPA 6020	J-01
Tin - Total	1.4	J	1	1.1	10.0	100	ug/L	EPA 6010B	
Vanadium - Total	1.7	J	1	0.7	10.0	25	ug/L	EPA 6010B	
Vinyl chloride	1.5		1	0.30	1.0	1	ug/L	EPA 8260B	
Zinc - Total	9.3	J	1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-MW8 (MS/MSD) **Lab ID:** C903307-04

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	3.6	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene	0.44	J	1	0.27	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.3		1	0.38	1.0	1	ug/L	EPA 8260B	
Arsenic - Total	3.1	J	1	2.8	10.0	10	ug/L	EPA 6010B	
Barium - Total	517		1	4.20	10.0	100	ug/L	EPA 6010B	
Benzene	0.64	J	1	0.20	1.0	1	ug/L	EPA 8260B	

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Client ID: 4501-MW8 (MS/MSD)						Lab ID: C903307-04			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Beryllium - Total	3.02		1	0.08	1.00	1	ug/L	EPA 6010B	
Cadmium - Total	1.06		1	0.09	1.00	1	ug/L	EPA 6010B	
Chromium - Total	4.0	J	1	0.7	10.0	10	ug/L	EPA 6010B	
cis-1,2-Dichloroethene	7.4		1	0.36	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	5.8	J	1	0.6	10.0	10	ug/L	EPA 6010B	
Lead - Total	6.2	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Mercury - Total	1.33		1	0.11	0.20	0.2	ug/L	EPA 7470A	
Methylene chloride	11		1	0.53	2.0	1	ug/L	EPA 8260B	
Naphthalene	0.55	J	1	0.39	1.0	10	ug/L	EPA 8260B	
Nickel - Total	2.8	J	1	0.6	10.0	50	ug/L	EPA 6010B	
Tetrachloroethene	8.7		1	0.36	1.0	1	ug/L	EPA 8260B	
Thallium - Total	0.242	JB	1	0.036	1.00	5.5	ug/L	EPA 6020	J-01
Tin - Total	5.4	J	1	1.1	10.0	100	ug/L	EPA 6010B	
Trichloroethene	3.1		1	0.38	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	9.0	J	1	0.7	10.0	25	ug/L	EPA 6010B	
Xylenes (Total)	8.3		1	0.40	1.0	5	ug/L	EPA 8260B	
Zinc - Total	38.3		1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-MW9						Lab ID: C903307-05			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Barium - Total	56.7	J	1	4.20	10.0	100	ug/L	EPA 6010B	
Beryllium - Total	0.35	J	1	0.08	1.00	1	ug/L	EPA 6010B	
Mercury - Total	0.14	J	1	0.11	0.20	0.2	ug/L	EPA 7470A	
Tetrachloroethene	2.7		1	0.36	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	2.2		1	0.28	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	0.7	J	1	0.7	10.0	25	ug/L	EPA 6010B	
Zinc - Total	4.1	J	1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-AMW1S						Lab ID: C903307-06			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
1,4-Dichlorobenzene	0.57	J	1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	221		1	4.20	10.0	100	ug/L	EPA 6010B	
Beryllium - Total	1.30		1	0.08	1.00	1	ug/L	EPA 6010B	
Cadmium - Total	0.61	J	1	0.09	1.00	1	ug/L	EPA 6010B	
Chlorobenzene	0.46	J	1	0.27	1.0	3	ug/L	EPA 8260B	
Chromium - Total	1.2	J	1	0.7	10.0	10	ug/L	EPA 6010B	
Cobalt - Total	10.7		1	0.6	10.0	10	ug/L	EPA 6010B	
Lead - Total	2.5	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Nickel - Total	2.5	J	1	0.6	10.0	50	ug/L	EPA 6010B	
Thallium - Total	0.280	JB	1	0.036	1.00	5.5	ug/L	EPA 6020	J-01
Tin - Total	1.3	J	1	1.1	10.0	100	ug/L	EPA 6010B	
Zinc - Total	4.1	J	1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-AMW1D						Lab ID: C903307-07			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
1,1-Dichloroethane	1.2	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene	0.53	J	1	0.27	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	2.6		1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	19.0	J	1	4.20	10.0	100	ug/L	EPA 6010B	
Chlorobenzene	3.8		1	0.27	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.7	J	1	0.36	1.0	5	ug/L	EPA 8260B	

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Client ID: 4501-AMW1D **Lab ID:** C903307-07

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Dichlorodifluoromethane	0.55	J	1	0.38	1.0	5	ug/L	EPA 8260B	
Lead - Total	1.6	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Nickel - Total	0.9	J	1	0.6	10.0	50	ug/L	EPA 6010B	
Tin - Total	2.0	J	1	1.1	10.0	100	ug/L	EPA 6010B	
Vinyl chloride	0.60	J	1	0.30	1.0	1	ug/L	EPA 8260B	
Zinc - Total	3.4	J	1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-AMW2S **Lab ID:** C903307-08

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.1	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.4		1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	15.4	J	1	4.20	10.0	100	ug/L	EPA 6010B	
Beryllium - Total	0.18	J	1	0.08	1.00	1	ug/L	EPA 6010B	
Chlorobenzene	2.0	J	1	0.27	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.7	J	1	0.36	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	4.0	J	1	0.6	10.0	10	ug/L	EPA 6010B	
Dichlorodifluoromethane	0.86	J	1	0.38	1.0	5	ug/L	EPA 8260B	
Diethylphthalate	1.5	J	1	1.3	10	10	ug/L	EPA 8270C	
Lead - Total	3.1	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Nickel - Total	2.2	J	1	0.6	10.0	50	ug/L	EPA 6010B	
Tin - Total	1.5	J	1	1.1	10.0	100	ug/L	EPA 6010B	
Vanadium - Total	3.0	J	1	0.7	10.0	25	ug/L	EPA 6010B	
Vinyl chloride	0.53	J	1	0.30	1.0	1	ug/L	EPA 8260B	
Zinc - Total	7.7	J	1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-AMW2D **Lab ID:** C903307-09

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Chromium - Total	1.5	J	1	0.7	10.0	10	ug/L	EPA 6010B	
Vanadium - Total	0.9	J	1	0.7	10.0	25	ug/L	EPA 6010B	

Client ID: 4501-BR1 **Lab ID:** C903307-10

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	0.59	J	1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	73.2	J	1	4.20	10.0	100	ug/L	EPA 6010B	
Chlorobenzene	0.53	J	1	0.27	1.0	3	ug/L	EPA 8260B	
Chromium - Total	2.0	J	1	0.7	10.0	10	ug/L	EPA 6010B	
Cobalt - Total	3.9	J	1	0.6	10.0	10	ug/L	EPA 6010B	
Lead - Total	2.8	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Nickel - Total	2.0	J	1	0.6	10.0	50	ug/L	EPA 6010B	
Silver - Total	1.3	J	1	1.0	10.0	10	ug/L	EPA 6010B	
Zinc - Total	5.5	J	1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-BR2 **Lab ID:** C903307-11

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,2-Dichlorobenzene	0.49	J	1	0.27	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	2.4		1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	273		1	4.20	10.0	100	ug/L	EPA 6010B	
Chlorobenzene	0.72	J	1	0.27	1.0	3	ug/L	EPA 8260B	
Chromium - Total	3.4	J	1	0.7	10.0	10	ug/L	EPA 6010B	
Cobalt - Total	4.8	J	1	0.6	10.0	10	ug/L	EPA 6010B	
Lead - Total	3.9	J	1	1.6	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-BR2 **Lab ID: C903307-11**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Nickel - Total	2.5	J	1	0.6	10.0	50	ug/L	EPA 6010B	
Silver - Total	2.5	J	1	1.0	10.0	10	ug/L	EPA 6010B	
Zinc - Total	5.6	J	1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-BR3 **Lab ID: C903307-12**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	575		1	4.20	10.0	100	ug/L	EPA 6010B	
Beryllium - Total	1.01		1	0.08	1.00	1	ug/L	EPA 6010B	
Cadmium - Total	1.12		1	0.09	1.00	1	ug/L	EPA 6010B	
Chromium - Total	1.9	J	1	0.7	10.0	10	ug/L	EPA 6010B	
Cobalt - Total	4.8	J	1	0.6	10.0	10	ug/L	EPA 6010B	
Lead - Total	3.8	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Nickel - Total	4.2	J	1	0.6	10.0	50	ug/L	EPA 6010B	
Silver - Total	2.4	J	1	1.0	10.0	10	ug/L	EPA 6010B	
Zinc - Total	35.6		1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-SW1 **Lab ID: C903307-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	42.1	J	1	4.20	10.0	100	ug/L	EPA 6010B	
Chromium - Total	1.4	J	1	0.7	10.0	10	ug/L	EPA 6010B	
Cobalt - Total	1.0	J	1	0.6	10.0	10	ug/L	EPA 6010B	
Lead - Total	2.1	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Nickel - Total	1.0	J	1	0.6	10.0	50	ug/L	EPA 6010B	
Silver - Total	1.3	J	1	1.0	10.0	10	ug/L	EPA 6010B	
Zinc - Total	3.6	J	1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-Field Blank **Lab ID: C903307-14**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Di-n-butylphthalate	1.1	J	1	1.0	10	10	ug/L	EPA 8270C	
Zinc - Total	3.4	J	1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-MW10 **Lab ID: C903307-16**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	15.8	J	1	4.20	10.0	100	ug/L	EPA 6010B	
Beryllium - Total	0.32	J	1	0.08	1.00	1	ug/L	EPA 6010B	
Chromium - Total	1.0	J	1	0.7	10.0	10	ug/L	EPA 6010B	
Cobalt - Total	0.8	J	1	0.6	10.0	10	ug/L	EPA 6010B	
Copper - Total	3.42	J	1	0.81	10.0	10	ug/L	EPA 6010B	
Iron - Total	2750		1	31	50	300	ug/L	EPA 6010B	
Lead - Total	4.4	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Manganese - Total	60.9		1	1.1	10.0	50	ug/L	EPA 6010B	
Nickel - Total	0.7	J	1	0.6	10.0	50	ug/L	EPA 6010B	
Sulfate as SO4	1.5	J	1	0.078	5.0	250	mg/L	EPA 300.0	
Total Alkalinity	17		1	8.3	15	NE	mg/L	EPA 310.2	
Total Dissolved Solids	86		1	10	10	NE	mg/L	SM 2540C	
Vanadium - Total	4.9	J	1	0.7	10.0	25	ug/L	EPA 6010B	
Zinc - Total	8.0	J	1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-MW11 (MS/MSD) **Lab ID: C903307-17**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	61.2	J	1	4.20	10.0	100	ug/L	EPA 6010B	

Client ID: 4501-MW11 (MS/MSD) **Lab ID:** C903307-17

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Beryllium - Total	1.19		1	0.08	1.00	1	ug/L	EPA 6010B	
Cadmium - Total	0.27	J	1	0.09	1.00	1	ug/L	EPA 6010B	
Iron - Total	1400		1	31	50	300	ug/L	EPA 6010B	
Lead - Total	3.7	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Manganese - Total	165		1	1.1	10.0	50	ug/L	EPA 6010B	
Silver - Total	1.2	J	1	1.0	10.0	10	ug/L	EPA 6010B	
Tetrachloroethene	0.49	J	1	0.36	1.0	1	ug/L	EPA 8260B	
Total Alkalinity	18		1	8.3	15	NE	mg/L	EPA 310.2	
Total Dissolved Solids	310		1	10	10	NE	mg/L	SM 2540C	
Vanadium - Total	1.0	J	1	0.7	10.0	25	ug/L	EPA 6010B	
Zinc - Total	9.0	J	1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-MW11 (MS/MSD) **Lab ID:** C903307-17RE1

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Chloride	8.8		1	1.9	5.0	NE	mg/L	SM4500-Cl/E	
Sulfate as SO4	150	JD	2	0.16	10	250	mg/L	EPA 300.0	

Client ID: 4501-MW12 **Lab ID:** C903307-18

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.82	J	1	0.33	1.0	5	ug/L	EPA 8260B	
Acetone	3.8	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Barium - Total	25.9	J	1	4.20	10.0	100	ug/L	EPA 6010B	
Beryllium - Total	0.46	J	1	0.08	1.00	1	ug/L	EPA 6010B	
Cadmium - Total	0.14	J	1	0.09	1.00	1	ug/L	EPA 6010B	
Chloride	4.1	J	1	1.9	5.0	NE	mg/L	SM4500-Cl/E	
Chromium - Total	1.2	J	1	0.7	10.0	10	ug/L	EPA 6010B	
Cobalt - Total	1.1	J	1	0.6	10.0	10	ug/L	EPA 6010B	
Iron - Total	4810		1	31	50	300	ug/L	EPA 6010B	
Lead - Total	3.1	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Manganese - Total	155		1	1.1	10.0	50	ug/L	EPA 6010B	
Mercury - Total	0.54		1	0.11	0.20	0.2	ug/L	EPA 7470A	
Methylene chloride	0.53	J	1	0.53	2.0	1	ug/L	EPA 8260B	
Nickel - Total	1.1	J	1	0.6	10.0	50	ug/L	EPA 6010B	
Sulfate as SO4	18	J	1	0.078	5.0	250	mg/L	EPA 300.0	
Tetrachloroethene	1.3		1	0.36	1.0	1	ug/L	EPA 8260B	
Thallium - Total	0.061	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Total Alkalinity	80		1	8.3	15	NE	mg/L	EPA 310.2	
Total Dissolved Solids	190		1	10	10	NE	mg/L	SM 2540C	
Trichloroethene	0.44	J	1	0.38	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	4.3		1	0.28	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	6.5	J	1	0.7	10.0	25	ug/L	EPA 6010B	
Zinc - Total	17.9		1	3.4	10.0	10	ug/L	EPA 6010B	

Client ID: 4501-MW13 **Lab ID:** C903307-19

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	19.8	J	1	4.20	10.0	100	ug/L	EPA 6010B	
Beryllium - Total	0.09	J	1	0.08	1.00	1	ug/L	EPA 6010B	
Chromium - Total	3.0	J	1	0.7	10.0	10	ug/L	EPA 6010B	
Iron - Total	1670		1	31	50	300	ug/L	EPA 6010B	
Lead - Total	3.9	J	1	1.6	10.0	10	ug/L	EPA 6010B	
Manganese - Total	59.1		1	1.1	10.0	50	ug/L	EPA 6010B	

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Client ID: 4501-MW13						Lab ID: C903307-19			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Nickel - Total	1.0	J	1	0.6	10.0	50	ug/L	EPA 6010B	
Sulfate as SO4	3.0	J	1	0.078	5.0	250	mg/L	EPA 300.0	
Total Alkalinity	65		1	8.3	15	NE	mg/L	EPA 310.2	
Total Dissolved Solids	140		1	10	10	NE	mg/L	SM 2540C	
Trichlorofluoromethane	1.5		1	0.28	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	3.3	J	1	0.7	10.0	25	ug/L	EPA 6010B	
Zinc - Total	7.2	J	1	3.4	10.0	10	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

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

Lab Sample ID: C903307-01
Sampled: 03/24/09 09:50
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/26/09 17:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/26/09 17:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/26/09 17:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/26/09 17:04	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	03/26/09 17:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	03/26/09 17:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/09 17:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/26/09 17:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	03/26/09 17:04	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	03/26/09 17:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/09 17:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/09 17:04	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/09 17:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/09 17:04	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/09 17:04	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/26/09 17:04	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/26/09 17:04	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/26/09 17:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/26/09 17:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/26/09 17:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/26/09 17:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/09 17:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/26/09 17:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/26/09 17:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/26/09 17:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/26/09 17:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/26/09 17:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/26/09 17:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/26/09 17:04	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	03/26/09 17:04	JKG	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C903307-01	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 09:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	2.0	10	EPA 8260B	03/26/09 17:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/26/09 17:04	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	03/26/09 17:04	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/26/09 17:04	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/26/09 17:04	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/26/09 17:04	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	03/26/09 17:04	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/26/09 17:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/26/09 17:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/09 17:04	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/26/09 17:04	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/26/09 17:04	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/26/09 17:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*51-122*	*9C26015*	*EPA 8260B*	*03/26/09 17:04*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*9C26015*	*EPA 8260B*	*03/26/09 17:04*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*9C26015*	*EPA 8260B*	*03/26/09 17:04*	*JKG*	

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

Lab Sample ID: C903307-01
Sampled: 03/24/09 09:50
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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 8270C	03/31/09 15:25	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 15:25	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 15:25	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	03/31/09 15:25	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:25	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 15:25	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 15:25	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	03/31/09 15:25	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:25	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	03/31/09 15:25	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	03/31/09 15:25	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 15:25	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	03/31/09 15:25	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 15:25	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 15:25	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	03/31/09 15:25	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 15:25	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 15:25	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	03/31/09 15:25	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	03/31/09 15:25	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:25	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 15:25	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	03/31/09 15:25	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:25	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 15:25	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 15:25	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	03/31/09 15:25	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:25	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	

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

Lab Sample ID: C903307-01
Sampled: 03/24/09 09:50
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 15:25	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 15:25	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	03/31/09 15:25	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	15	EPA 8270C	03/31/09 15:25	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 15:25	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:25	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 15:25	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 15:25	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 15:25	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 15:25	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:25	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 15:25	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 15:25	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:25	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	03/31/09 15:25	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:25	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 15:25	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 15:25	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 15:25	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	03/31/09 15:25	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	03/31/09 15:25	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:25	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 15:25	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	03/31/09 15:25	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 15:25	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 15:25	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:25	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 15:25	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	03/31/09 15:25	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 15:25	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C903307-01	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 09:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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 8270C	03/31/09 15:25	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:25	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:25	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:25	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 15:25	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 15:25	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	03/31/09 15:25	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	03/31/09 15:25	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:25	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 15:25	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	03/31/09 15:25	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*77*	*1*	*100*	*77 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/31/09 15:25*	*DFM*	
2-Fluorobiphenyl	*33*	*1*	*50.0*	*66 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/31/09 15:25*	*DFM*	
2-Fluorophenol	*45*	*1*	*100*	*45 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/31/09 15:25*	*DFM*	
Nitrobenzene-d5	*32*	*1*	*50.0*	*64 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/31/09 15:25*	*DFM*	
Phenol-d5	*38*	*1*	*100*	*38 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/31/09 15:25*	*DFM*	
Terphenyl-d14	*33*	*1*	*50.0*	*66 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/31/09 15:25*	*DFM*	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C903307-01	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 09:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081A	03/30/09 11:22	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081A	03/30/09 11:22	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 11:22	JHH	
Aldrin [309-00-2] ^	0.021	U	ug/L	1	0.021	0.050	0.05	EPA 8081A	03/30/09 11:22	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 11:22	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081A	03/30/09 11:22	JHH	
Chlordane (n.o.s.) [57-74-9]	0.020	U	ug/L	1	0.020	1.0		EPA 8081A	03/30/09 11:22	JHH	
Chlordane (tech) [12789-03-6] ^	0.020	U	ug/L	1	0.020	0.50	0.5	EPA 8081A	03/30/09 11:22	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081A	03/30/09 11:22	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081A	03/30/09 11:22	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081A	03/30/09 11:22	JHH	
Dieldrin [60-57-1] ^	0.023	U	ug/L	1	0.023	0.050	0.075	EPA 8081A	03/30/09 11:22	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 11:22	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 11:22	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 11:22	JHH	
Endrin [72-20-8] ^	0.026	U	ug/L	1	0.026	0.050	0.1	EPA 8081A	03/30/09 11:22	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081A	03/30/09 11:22	JHH	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081A	03/30/09 11:22	JHH	
Heptachlor [76-44-8] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 11:22	JHH	
Heptachlor epoxide [1024-57-3] ^	0.025	U	ug/L	1	0.025	0.050	0.075	EPA 8081A	03/30/09 11:22	JHH	
Methoxychlor [72-43-5] ^	0.026	U	ug/L	1	0.026	0.050	1	EPA 8081A	03/30/09 11:22	JHH	
Toxaphene [8001-35-2] ^	0.67	U	ug/L	1	0.67	1.0	1.5	EPA 8081A	03/30/09 11:22	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.3*	*1*	*1.00*	*127 %*	*39-151*	*9C27016*	*EPA 8081A*	*03/30/09 11:22*	*JHH*	
Decachlorobiphenyl	*1.4*	*1*	*1.00*	*139 %*	*55-118*	*9C27016*	*EPA 8081A*	*03/30/09 11:22*	*JHH*	*QS-03*

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C903307-01	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 09:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.43	U	ug/L	1	0.43	0.50	2	EPA 8082	03/30/09 11:22	JHH	
PCB-1221 [11104-28-2] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:22	JHH	
PCB-1232 [11141-16-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:22	JHH	
PCB-1248 [12672-29-6] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:22	JHH	
PCB-1254 [11097-69-1] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:22	JHH	
PCB-1260 [11096-82-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:22	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.3*	*1*	*1.00*	*127 %*	*39-151*	*9C27016*	*EPA 8082*	*03/30/09 11:22*	*JHH*	
Decachlorobiphenyl	*1.4*	*1*	*1.00*	*139 %*	*55-118*	*9C27016*	*EPA 8082*	*03/30/09 11:22*	*JHH*	*QS-03*

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C903307-01	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 09:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 11:40	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/30/09 14:34	JDH	
Barium [7440-39-3] ^	**26.2**	J	ug/L	1	4.20	10.0	100	EPA 6010B	03/30/09 14:34	JDH	
Beryllium [7440-41-7] ^	**0.35**	J	ug/L	1	0.08	1.00	1	EPA 6010B	03/30/09 14:34	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	1	EPA 6010B	03/30/09 14:34	JDH	
Chromium [7440-47-3] ^	0.7	U	ug/L	1	0.7	10.0	10	EPA 6010B	03/30/09 14:34	JDH	
Cobalt [7440-48-4] ^	**0.6**	J	ug/L	1	0.6	10.0	10	EPA 6010B	03/30/09 14:34	JDH	
Copper [7440-50-8] ^	**2.32**	J	ug/L	1	0.81	10.0	10	EPA 6010B	03/30/09 14:34	JDH	
Lead [7439-92-1] ^	**3.3**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/30/09 14:34	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 14:06	NLH	
Nickel [7440-02-0] ^	0.6	U	ug/L	1	0.6	10.0	50	EPA 6010B	03/30/09 14:34	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:34	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/30/09 14:34	JDH	
Thallium [7440-28-0] ^	**0.051**	JB	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 11:40	VLO	J-01
Tin [7440-31-5] ^	1.1	U	ug/L	1	1.1	10.0	100	EPA 6010B	03/30/09 14:34	JDH	
Vanadium [7440-62-2] ^	**2.2**	J	ug/L	1	0.7	10.0	25	EPA 6010B	03/30/09 14:34	JDH	
Zinc [7440-66-6] ^	**10.7**		ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:34	JDH	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C903307-01	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 09:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Cyanide (total) [57-12-5] ^	0.0040	U	mg/L	1	0.0040	0.0050	10	EPA 335.4	03/30/09 07:55	PEV	
Sulfide [18496-25-8] ^	0.10	U	mg/L	1	0.10	0.10	1	SM18 4500-S D	03/30/09 15:50	GPW	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C903307-01	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 09:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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	04/01/09 03:26	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	04/01/09 03:26	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	04/01/09 03:26	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	04/01/09 03:26	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	04/01/09 03:26	RGG	QV-01

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.3*	*1*	*2.00*	*114 %*	*68-139*	*9C26030*	*EPA 8151A*	*04/01/09 03:26*	*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-MW6
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C903307-02
Sampled: 03/24/09 12:15
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 15:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 15:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 15:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 15:04	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	03/27/09 15:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	03/27/09 15:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 15:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 15:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	03/27/09 15:04	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	03/27/09 15:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 15:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 15:04	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/09 15:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 15:04	JKG	
Acetone [67-64-1] ^	**280**		ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 15:04	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/27/09 15:04	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/27/09 15:04	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 15:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 15:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 15:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 15:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 15:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 15:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 15:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 15:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/27/09 15:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 15:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 15:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 15:04	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	03/27/09 15:04	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	2.0	10	EPA 8260B	03/27/09 15:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 15:04	JKG	

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Description:	4501-MW6	**Lab Sample ID:**	C903307-02	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 12:15	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	03/27/09 15:04	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/27/09 15:04	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/27/09 15:04	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 15:04	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	03/27/09 15:04	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/27/09 15:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 15:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 15:04	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 15:04	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 15:04	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 15:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 15:04*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 15:04*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 15:04*	*JKG*	

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

Lab Sample ID: C903307-02
Sampled: 03/24/09 12:15
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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 8270C	03/31/09 15:54	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 15:54	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 15:54	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	03/31/09 15:54	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:54	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 15:54	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 15:54	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	03/31/09 15:54	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:54	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	03/31/09 15:54	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	03/31/09 15:54	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 15:54	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	03/31/09 15:54	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 15:54	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 15:54	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	03/31/09 15:54	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 15:54	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 15:54	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	03/31/09 15:54	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	03/31/09 15:54	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:54	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 15:54	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	03/31/09 15:54	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:54	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 15:54	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 15:54	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	03/31/09 15:54	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:54	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	

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

Lab Sample ID: C903307-02
Sampled: 03/24/09 12:15
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 15:54	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 15:54	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	03/31/09 15:54	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	15	EPA 8270C	03/31/09 15:54	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 15:54	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:54	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 15:54	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 15:54	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 15:54	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 15:54	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:54	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 15:54	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 15:54	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:54	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	03/31/09 15:54	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:54	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 15:54	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 15:54	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 15:54	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	03/31/09 15:54	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	03/31/09 15:54	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:54	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 15:54	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	03/31/09 15:54	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 15:54	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 15:54	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 15:54	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 15:54	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	03/31/09 15:54	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 15:54	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	

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Description:	4501-MW6	**Lab Sample ID:**	C903307-02	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 12:15	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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 8270C	03/31/09 15:54	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:54	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:54	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 15:54	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 15:54	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 15:54	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	03/31/09 15:54	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	03/31/09 15:54	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 15:54	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 15:54	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	03/31/09 15:54	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*80*	*1*	*100*	*80 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/31/09 15:54*	*DFM*	
2-Fluorobiphenyl	*35*	*1*	*50.0*	*69 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/31/09 15:54*	*DFM*	
2-Fluorophenol	*46*	*1*	*100*	*46 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/31/09 15:54*	*DFM*	
Nitrobenzene-d5	*32*	*1*	*50.0*	*63 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/31/09 15:54*	*DFM*	
Phenol-d5	*48*	*1*	*100*	*48 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/31/09 15:54*	*DFM*	
Terphenyl-d14	*32*	*1*	*50.0*	*63 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/31/09 15:54*	*DFM*	

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Description:	4501-MW6	**Lab Sample ID:**	C903307-02	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 12:15	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081A	03/30/09 11:35	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081A	03/30/09 11:35	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 11:35	JHH	
Aldrin [309-00-2] ^	0.021	U	ug/L	1	0.021	0.050	0.05	EPA 8081A	03/30/09 11:35	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 11:35	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081A	03/30/09 11:35	JHH	
Chlordane (n.o.s.) [57-74-9]	0.020	U	ug/L	1	0.020	1.0		EPA 8081A	03/30/09 11:35	JHH	
Chlordane (tech) [12789-03-6] ^	0.020	U	ug/L	1	0.020	0.50	0.5	EPA 8081A	03/30/09 11:35	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081A	03/30/09 11:35	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081A	03/30/09 11:35	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081A	03/30/09 11:35	JHH	
Dieldrin [60-57-1] ^	0.023	U	ug/L	1	0.023	0.050	0.075	EPA 8081A	03/30/09 11:35	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 11:35	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 11:35	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 11:35	JHH	
Endrin [72-20-8] ^	0.026	U	ug/L	1	0.026	0.050	0.1	EPA 8081A	03/30/09 11:35	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081A	03/30/09 11:35	JHH	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081A	03/30/09 11:35	JHH	
Heptachlor [76-44-8] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 11:35	JHH	
Heptachlor epoxide [1024-57-3] ^	0.025	U	ug/L	1	0.025	0.050	0.075	EPA 8081A	03/30/09 11:35	JHH	
Methoxychlor [72-43-5] ^	0.026	U	ug/L	1	0.026	0.050	1	EPA 8081A	03/30/09 11:35	JHH	
Toxaphene [8001-35-2] ^	0.67	U	ug/L	1	0.67	1.0	1.5	EPA 8081A	03/30/09 11:35	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.2*	*1*	*1.00*	*119 %*	*39-151*	*9C27016*	*EPA 8081A*	*03/30/09 11:35*	*JHH*	
Decachlorobiphenyl	*1.3*	*1*	*1.00*	*126 %*	*55-118*	*9C27016*	*EPA 8081A*	*03/30/09 11:35*	*JHH*	*QS-03*

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Description:	4501-MW6	**Lab Sample ID:**	C903307-02	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 12:15	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.43	U	ug/L	1	0.43	0.50	2	EPA 8082	03/30/09 11:35	JHH	
PCB-1221 [11104-28-2] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:35	JHH	
PCB-1232 [11141-16-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:35	JHH	
PCB-1248 [12672-29-6] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:35	JHH	
PCB-1254 [11097-69-1] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:35	JHH	
PCB-1260 [11096-82-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:35	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.2*	*1*	*1.00*	*119 %*	*39-151*	*9C27016*	*EPA 8082*	*03/30/09 11:35*	*JHH*	
Decachlorobiphenyl	*1.3*	*1*	*1.00*	*126 %*	*55-118*	*9C27016*	*EPA 8082*	*03/30/09 11:35*	*JHH*	*QS-03*

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

Lab Sample ID: C903307-02
Sampled: 03/24/09 12:15
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 11:43	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/30/09 14:37	JDH	
Barium [7440-39-3] ^	**54.5**	J	ug/L	1	4.20	10.0	100	EPA 6010B	03/30/09 14:37	JDH	
Beryllium [7440-41-7] ^	**0.20**	J	ug/L	1	0.08	1.00	1	EPA 6010B	03/30/09 14:37	JDH	
Cadmium [7440-43-9] ^	**0.22**	J	ug/L	1	0.09	1.00	1	EPA 6010B	03/30/09 14:37	JDH	
Chromium [7440-47-3] ^	**1.0**	J	ug/L	1	0.7	10.0	10	EPA 6010B	03/30/09 14:37	JDH	
Cobalt [7440-48-4] ^	**3.1**	J	ug/L	1	0.6	10.0	10	EPA 6010B	03/30/09 14:37	JDH	
Copper [7440-50-8] ^	**4.96**	J	ug/L	1	0.81	10.0	10	EPA 6010B	03/30/09 14:37	JDH	
Lead [7439-92-1] ^	**5.6**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/30/09 14:37	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 14:09	NLH	
Nickel [7440-02-0] ^	**3.9**	J	ug/L	1	0.6	10.0	50	EPA 6010B	03/30/09 14:37	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:37	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/30/09 14:37	JDH	
Thallium [7440-28-0] ^	**0.090**	JB	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 11:43	VLO	J-01
Tin [7440-31-5] ^	1.1	U	ug/L	1	1.1	10.0	100	EPA 6010B	03/30/09 14:37	JDH	
Vanadium [7440-62-2] ^	**3.2**	J	ug/L	1	0.7	10.0	25	EPA 6010B	03/30/09 14:37	JDH	
Zinc [7440-66-6] ^	**56.3**		ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:37	JDH	

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Description:	4501-MW6	**Lab Sample ID:**	C903307-02	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 12:15	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Cyanide (total) [57-12-5] ^	0.0040	U	mg/L	1	0.0040	0.0050	10	EPA 335.4	03/30/09 07:57	PEV	
Sulfide [18496-25-8] ^	0.10	U	mg/L	1	0.10	0.10	1	SM18 4500-S D	03/30/09 15:50	GPW	

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Description:	4501-MW6	**Lab Sample ID:**	C903307-02	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 12:15	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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	04/01/09 04:03	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	04/01/09 04:03	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	04/01/09 04:03	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	04/01/09 04:03	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	04/01/09 04:03	RGG	QV-01

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.2*	*1*	*2.00*	*108 %*	*68-139*	*9C26030*	*EPA 8151A*	*04/01/09 04:03*	*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: C903307-03
Sampled: 03/24/09 12:40
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/26/09 19:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/26/09 19:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.83**	J	ug/L	1	0.33	1.0	5	EPA 8260B	03/26/09 19:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/26/09 19:04	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	03/26/09 19:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	03/26/09 19:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/09 19:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/26/09 19:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	03/26/09 19:04	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**6.4**		ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	03/26/09 19:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/09 19:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/09 19:04	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/09 19:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/09 19:04	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/09 19:04	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/26/09 19:04	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/26/09 19:04	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/26/09 19:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/26/09 19:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/26/09 19:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/26/09 19:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/09 19:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
Chlorobenzene [108-90-7] ^	**4.6**		ug/L	1	0.27	1.0	3	EPA 8260B	03/26/09 19:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/26/09 19:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/26/09 19:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/26/09 19:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**4.9**	J	ug/L	1	0.36	1.0	5	EPA 8260B	03/26/09 19:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/26/09 19:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/26/09 19:04	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	03/26/09 19:04	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	2.0	10	EPA 8260B	03/26/09 19:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/26/09 19:04	JKG	

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Description:	4501-MW7	**Lab Sample ID:**	C903307-03	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 12:40	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	03/26/09 19:04	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/26/09 19:04	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/26/09 19:04	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/26/09 19:04	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	03/26/09 19:04	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/26/09 19:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/26/09 19:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/09 19:04	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/26/09 19:04	JKG	
Vinyl chloride [75-01-4] ^	**1.5**		ug/L	1	0.30	1.0	1	EPA 8260B	03/26/09 19:04	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/26/09 19:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*51-122*	*9C26015*	*EPA 8260B*	*03/26/09 19:04*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*9C26015*	*EPA 8260B*	*03/26/09 19:04*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*9C26015*	*EPA 8260B*	*03/26/09 19:04*	*JKG*	

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

Lab Sample ID: C903307-03
Sampled: 03/24/09 12:40
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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 8270C	03/31/09 16:24	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 16:24	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 16:24	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	03/31/09 16:24	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:24	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 16:24	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 16:24	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	03/31/09 16:24	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:24	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	03/31/09 16:24	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	03/31/09 16:24	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 16:24	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	03/31/09 16:24	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 16:24	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 16:24	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	03/31/09 16:24	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 16:24	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 16:24	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	03/31/09 16:24	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	03/31/09 16:24	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:24	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 16:24	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	03/31/09 16:24	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:24	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 16:24	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 16:24	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	03/31/09 16:24	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:24	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	

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

Lab Sample ID: C903307-03
Sampled: 03/24/09 12:40
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 16:24	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 16:24	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	03/31/09 16:24	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	15	EPA 8270C	03/31/09 16:24	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 16:24	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:24	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 16:24	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 16:24	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 16:24	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 16:24	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:24	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 16:24	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 16:24	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:24	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	03/31/09 16:24	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:24	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 16:24	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 16:24	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 16:24	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	03/31/09 16:24	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	03/31/09 16:24	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:24	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 16:24	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	03/31/09 16:24	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 16:24	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 16:24	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:24	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 16:24	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	03/31/09 16:24	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 16:24	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	

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Description:	4501-MW7	**Lab Sample ID:**	C903307-03	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 12:40	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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 8270C	03/31/09 16:24	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:24	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:24	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:24	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 16:24	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 16:24	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	03/31/09 16:24	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	03/31/09 16:24	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:24	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 16:24	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	03/31/09 16:24	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*77*	*1*	*100*	*77 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/31/09 16:24*	*DFM*	
2-Fluorobiphenyl	*32*	*1*	*50.0*	*64 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/31/09 16:24*	*DFM*	
2-Fluorophenol	*41*	*1*	*100*	*41 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/31/09 16:24*	*DFM*	
Nitrobenzene-d5	*31*	*1*	*50.0*	*63 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/31/09 16:24*	*DFM*	
Phenol-d5	*34*	*1*	*100*	*34 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/31/09 16:24*	*DFM*	
Terphenyl-d14	*33*	*1*	*50.0*	*67 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/31/09 16:24*	*DFM*	

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Description:	4501-MW7	**Lab Sample ID:**	C903307-03	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 12:40	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081A	03/30/09 11:48	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081A	03/30/09 11:48	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 11:48	JHH	
Aldrin [309-00-2] ^	0.021	U	ug/L	1	0.021	0.050	0.05	EPA 8081A	03/30/09 11:48	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 11:48	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081A	03/30/09 11:48	JHH	
Chlordane (n.o.s.) [57-74-9]	0.020	U	ug/L	1	0.020	1.0		EPA 8081A	03/30/09 11:48	JHH	
Chlordane (tech) [12789-03-6] ^	0.020	U	ug/L	1	0.020	0.50	0.5	EPA 8081A	03/30/09 11:48	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081A	03/30/09 11:48	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081A	03/30/09 11:48	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081A	03/30/09 11:48	JHH	
Dieldrin [60-57-1] ^	0.023	U	ug/L	1	0.023	0.050	0.075	EPA 8081A	03/30/09 11:48	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 11:48	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 11:48	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 11:48	JHH	
Endrin [72-20-8] ^	0.026	U	ug/L	1	0.026	0.050	0.1	EPA 8081A	03/30/09 11:48	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081A	03/30/09 11:48	JHH	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081A	03/30/09 11:48	JHH	
Heptachlor [76-44-8] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 11:48	JHH	
Heptachlor epoxide [1024-57-3] ^	0.025	U	ug/L	1	0.025	0.050	0.075	EPA 8081A	03/30/09 11:48	JHH	
Methoxychlor [72-43-5] ^	0.026	U	ug/L	1	0.026	0.050	1	EPA 8081A	03/30/09 11:48	JHH	
Toxaphene [8001-35-2] ^	0.67	U	ug/L	1	0.67	1.0	1.5	EPA 8081A	03/30/09 11:48	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.3*	*1*	*1.00*	*129 %*	*39-151*	*9C27016*	*EPA 8081A*	*03/30/09 11:48*	*JHH*	
Decachlorobiphenyl	*1.3*	*1*	*1.00*	*132 %*	*55-118*	*9C27016*	*EPA 8081A*	*03/30/09 11:48*	*JHH*	*QS-03*

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Description:	4501-MW7	**Lab Sample ID:**	C903307-03	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 12:40	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.43	U	ug/L	1	0.43	0.50	2	EPA 8082	03/30/09 11:48	JHH	
PCB-1221 [11104-28-2] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:48	JHH	
PCB-1232 [11141-16-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:48	JHH	
PCB-1248 [12672-29-6] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:48	JHH	
PCB-1254 [11097-69-1] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:48	JHH	
PCB-1260 [11096-82-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 11:48	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.3*	*1*	*1.00*	*129 %*	*39-151*	*9C27016*	*EPA 8082*	*03/30/09 11:48*	*JHH*	
Decachlorobiphenyl	*1.3*	*1*	*1.00*	*132 %*	*55-118*	*9C27016*	*EPA 8082*	*03/30/09 11:48*	*JHH*	*QS-03*

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

Lab Sample ID: C903307-03
Sampled: 03/24/09 12:40
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 11:47	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/30/09 14:39	JDH	
Barium [7440-39-3] ^	**203**		ug/L	1	4.20	10.0	100	EPA 6010B	03/30/09 14:39	JDH	
Beryllium [7440-41-7] ^	**0.82**	J	ug/L	1	0.08	1.00	1	EPA 6010B	03/30/09 14:39	JDH	
Cadmium [7440-43-9] ^	**0.18**	J	ug/L	1	0.09	1.00	1	EPA 6010B	03/30/09 14:39	JDH	
Chromium [7440-47-3] ^	**1.6**	J	ug/L	1	0.7	10.0	10	EPA 6010B	03/30/09 14:39	JDH	
Cobalt [7440-48-4] ^	0.6	U	ug/L	1	0.6	10.0	10	EPA 6010B	03/30/09 14:39	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/30/09 14:39	JDH	
Lead [7439-92-1] ^	**1.6**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/30/09 14:39	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 16:19	NLH	
Nickel [7440-02-0] ^	0.6	U	ug/L	1	0.6	10.0	50	EPA 6010B	03/30/09 14:39	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:39	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/30/09 14:39	JDH	
Thallium [7440-28-0] ^	**0.080**	JB	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 11:47	VLO	J-01
Tin [7440-31-5] ^	**1.4**	J	ug/L	1	1.1	10.0	100	EPA 6010B	03/30/09 14:39	JDH	
Vanadium [7440-62-2] ^	**1.7**	J	ug/L	1	0.7	10.0	25	EPA 6010B	03/30/09 14:39	JDH	
Zinc [7440-66-6] ^	**9.3**	J	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:39	JDH	

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Description:	4501-MW7	**Lab Sample ID:**	C903307-03	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 12:40	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Cyanide (total) [57-12-5] ^	0.0040	U	mg/L	1	0.0040	0.0050	10	EPA 335.4	03/30/09 07:59	PEV	
Sulfide [18496-25-8] ^	0.10	U	mg/L	1	0.10	0.10	1	SM18 4500-S D	03/30/09 15:50	GPW	

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Description:	4501-MW7	**Lab Sample ID:**	C903307-03	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 12:40	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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	04/01/09 04:41	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	04/01/09 04:41	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	04/01/09 04:41	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	04/01/09 04:41	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	04/01/09 04:41	RGG	QV-01

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.9*	*1*	*2.00*	*95 %*	*68-139*	*9C26030*	*EPA 8151A*	*04/01/09 04:41*	*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-MW8 (MS/MSD)
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C903307-04
Sampled: 03/24/09 13:10
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/26/09 13:05	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/26/09 13:05	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
1,1-Dichloroethane [75-34-3] ^	**3.6**	J	ug/L	1	0.33	1.0	5	EPA 8260B	03/26/09 13:05	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/26/09 13:05	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	03/26/09 13:05	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	03/26/09 13:05	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/09 13:05	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.44**	J	ug/L	1	0.27	1.0	5	EPA 8260B	03/26/09 13:05	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	03/26/09 13:05	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**1.3**		ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	03/26/09 13:05	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/09 13:05	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/09 13:05	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/09 13:05	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/09 13:05	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/09 13:05	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/26/09 13:05	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/26/09 13:05	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/26/09 13:05	JKG	
Benzene [71-43-2] ^	**0.64**	J	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/26/09 13:05	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/26/09 13:05	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/26/09 13:05	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/09 13:05	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/26/09 13:05	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/26/09 13:05	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/26/09 13:05	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/26/09 13:05	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**7.4**		ug/L	1	0.36	1.0	5	EPA 8260B	03/26/09 13:05	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/26/09 13:05	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/26/09 13:05	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	03/26/09 13:05	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	2.0	10	EPA 8260B	03/26/09 13:05	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/26/09 13:05	JKG	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C903307-04	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 13:10	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	03/26/09 13:05	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/26/09 13:05	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/26/09 13:05	JKG	
Methylene chloride [75-09-2] ^	**11**		ug/L	1	0.53	2.0	1	EPA 8260B	03/26/09 13:05	JKG	
Naphthalene [91-20-3] ^	**0.55**	J	ug/L	1	0.39	1.0	10	EPA 8260B	03/26/09 13:05	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/26/09 13:05	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
Tetrachloroethene [127-18-4] ^	**8.7**		ug/L	1	0.36	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/26/09 13:05	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/09 13:05	JKG	
Trichloroethene [79-01-6] ^	**3.1**		ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/26/09 13:05	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/26/09 13:05	JKG	
Xylenes (Total) [1330-20-7] ^	**8.3**		ug/L	1	0.40	1.0	5	EPA 8260B	03/26/09 13:05	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C26015*	*EPA 8260B*	*03/26/09 13:05*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*9C26015*	*EPA 8260B*	*03/26/09 13:05*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*9C26015*	*EPA 8260B*	*03/26/09 13:05*	*JKG*	

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

Lab Sample ID: C903307-04
Sampled: 03/24/09 13:10
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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 8270C	03/31/09 13:55	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 13:55	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 13:55	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	03/31/09 13:55	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 13:55	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 13:55	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 13:55	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	03/31/09 13:55	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 13:55	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	03/31/09 13:55	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	03/31/09 13:55	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 13:55	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	03/31/09 13:55	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 13:55	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 13:55	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	03/31/09 13:55	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 13:55	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 13:55	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	03/31/09 13:55	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	03/31/09 13:55	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 13:55	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 13:55	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	03/31/09 13:55	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 13:55	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 13:55	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 13:55	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	03/31/09 13:55	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 13:55	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	

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

Lab Sample ID: C903307-04
Sampled: 03/24/09 13:10
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 13:55	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 13:55	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	03/31/09 13:55	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	15	EPA 8270C	03/31/09 13:55	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 13:55	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 13:55	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 13:55	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 13:55	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 13:55	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 13:55	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 13:55	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 13:55	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 13:55	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 13:55	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	03/31/09 13:55	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 13:55	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 13:55	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 13:55	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 13:55	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	03/31/09 13:55	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	03/31/09 13:55	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 13:55	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 13:55	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	03/31/09 13:55	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 13:55	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 13:55	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 13:55	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 13:55	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	03/31/09 13:55	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 13:55	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C903307-04	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 13:10	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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 8270C	03/31/09 13:55	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 13:55	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 13:55	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 13:55	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 13:55	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 13:55	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	03/31/09 13:55	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	03/31/09 13:55	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 13:55	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 13:55	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	03/31/09 13:55	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*94*	*1*	*100*	*94 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/31/09 13:55*	*DFM*	
2-Fluorobiphenyl	*40*	*1*	*50.0*	*80 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/31/09 13:55*	*DFM*	
2-Fluorophenol	*48*	*1*	*100*	*48 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/31/09 13:55*	*DFM*	
Nitrobenzene-d5	*38*	*1*	*50.0*	*75 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/31/09 13:55*	*DFM*	
Phenol-d5	*41*	*1*	*100*	*41 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/31/09 13:55*	*DFM*	
Terphenyl-d14	*34*	*1*	*50.0*	*68 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/31/09 13:55*	*DFM*	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C903307-04	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 13:10	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081A	03/30/09 12:01	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081A	03/30/09 12:01	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:01	JHH	
Aldrin [309-00-2] ^	0.021	U	ug/L	1	0.021	0.050	0.05	EPA 8081A	03/30/09 12:01	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 12:01	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081A	03/30/09 12:01	JHH	
Chlordane (n.o.s.) [57-74-9]	0.020	U	ug/L	1	0.020	1.0		EPA 8081A	03/30/09 12:01	JHH	
Chlordane (tech) [12789-03-6] ^	0.020	U	ug/L	1	0.020	0.50	0.5	EPA 8081A	03/30/09 12:01	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081A	03/30/09 12:01	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081A	03/30/09 12:01	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081A	03/30/09 12:01	JHH	
Dieldrin [60-57-1] ^	0.023	U	ug/L	1	0.023	0.050	0.075	EPA 8081A	03/30/09 12:01	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:01	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:01	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:01	JHH	
Endrin [72-20-8] ^	0.026	U	ug/L	1	0.026	0.050	0.1	EPA 8081A	03/30/09 12:01	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081A	03/30/09 12:01	JHH	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081A	03/30/09 12:01	JHH	
Heptachlor [76-44-8] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 12:01	JHH	
Heptachlor epoxide [1024-57-3] ^	0.025	U	ug/L	1	0.025	0.050	0.075	EPA 8081A	03/30/09 12:01	JHH	
Methoxychlor [72-43-5] ^	0.026	U	ug/L	1	0.026	0.050	1	EPA 8081A	03/30/09 12:01	JHH	
Toxaphene [8001-35-2] ^	0.67	U	ug/L	1	0.67	1.0	1.5	EPA 8081A	03/30/09 12:01	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.4*	*1*	*1.00*	*141 %*	*39-151*	*9C27016*	*EPA 8081A*	*03/30/09 12:01*	*JHH*	
Decachlorobiphenyl	*0.90*	*1*	*1.00*	*90 %*	*55-118*	*9C27016*	*EPA 8081A*	*03/30/09 12:01*	*JHH*	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C903307-04	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 13:10	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.43	U	ug/L	1	0.43	0.50	2	EPA 8082	03/30/09 12:01	JHH	
PCB-1221 [11104-28-2] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:01	JHH	
PCB-1232 [11141-16-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:01	JHH	
PCB-1248 [12672-29-6] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:01	JHH	
PCB-1254 [11097-69-1] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:01	JHH	
PCB-1260 [11096-82-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:01	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.4*	*1*	*1.00*	*141 %*	*39-151*	*9C27016*	*EPA 8082*	*03/30/09 12:01*	*JHH*	
Decachlorobiphenyl	*0.90*	*1*	*1.00*	*90 %*	*55-118*	*9C27016*	*EPA 8082*	*03/30/09 12:01*	*JHH*	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C903307-04	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 13:10	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 11:23	VLO	
Arsenic [7440-38-2] ^	**3.1**	J	ug/L	1	2.8	10.0	10	EPA 6010B	03/30/09 14:23	JDH	
Barium [7440-39-3] ^	**517**		ug/L	1	4.20	10.0	100	EPA 6010B	03/30/09 14:23	JDH	
Beryllium [7440-41-7] ^	**3.02**		ug/L	1	0.08	1.00	1	EPA 6010B	03/30/09 14:23	JDH	
Cadmium [7440-43-9] ^	**1.06**		ug/L	1	0.09	1.00	1	EPA 6010B	03/30/09 14:23	JDH	
Chromium [7440-47-3] ^	**4.0**	J	ug/L	1	0.7	10.0	10	EPA 6010B	03/30/09 14:23	JDH	
Cobalt [7440-48-4] ^	**5.8**	J	ug/L	1	0.6	10.0	10	EPA 6010B	03/30/09 14:23	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/30/09 14:23	JDH	
Lead [7439-92-1] ^	**6.2**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/30/09 14:23	JDH	
Mercury [7439-97-6] ^	**1.33**		ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 13:52	NLH	
Nickel [7440-02-0] ^	**2.8**	J	ug/L	1	0.6	10.0	50	EPA 6010B	03/30/09 14:23	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:23	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/30/09 14:23	JDH	
Thallium [7440-28-0] ^	**0.242**	JB	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 11:23	VLO	J-01
Tin [7440-31-5] ^	**5.4**	J	ug/L	1	1.1	10.0	100	EPA 6010B	03/30/09 14:23	JDH	
Vanadium [7440-62-2] ^	**9.0**	J	ug/L	1	0.7	10.0	25	EPA 6010B	03/30/09 14:23	JDH	
Zinc [7440-66-6] ^	**38.3**		ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:23	JDH	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C903307-04	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 13:10	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Cyanide (total) [57-12-5] ^	0.0040	U	mg/L	1	0.0040	0.0050	10	EPA 335.4	03/30/09 08:01	PEV	
Sulfide [18496-25-8] ^	0.10	U	mg/L	1	0.10	0.10	1	SM18 4500-S D	03/30/09 15:50	GPW	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C903307-04	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 13:10	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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	04/01/09 02:11	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	04/01/09 02:11	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	04/01/09 02:11	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	04/01/09 02:11	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	04/01/09 02:11	RGG	QV-01

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.9*	*1*	*2.00*	*94 %*	*68-139*	*9C26030*	*EPA 8151A*	*04/01/09 02:11*	*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-MW9
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C903307-05
Sampled: 03/24/09 11:25
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/26/09 19:34	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/26/09 19:34	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/26/09 19:34	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/26/09 19:34	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	03/26/09 19:34	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	03/26/09 19:34	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/09 19:34	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/26/09 19:34	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	03/26/09 19:34	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	03/26/09 19:34	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/09 19:34	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/09 19:34	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/09 19:34	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/09 19:34	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/09 19:34	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/26/09 19:34	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/26/09 19:34	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/26/09 19:34	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/26/09 19:34	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/26/09 19:34	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/26/09 19:34	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/09 19:34	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/26/09 19:34	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/26/09 19:34	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/26/09 19:34	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/26/09 19:34	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/26/09 19:34	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/26/09 19:34	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/26/09 19:34	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	03/26/09 19:34	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	2.0	10	EPA 8260B	03/26/09 19:34	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/26/09 19:34	JKG	

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Description:	4501-MW9	**Lab Sample ID:**	C903307-05	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 11:25	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	03/26/09 19:34	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/26/09 19:34	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/26/09 19:34	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/26/09 19:34	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	03/26/09 19:34	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/26/09 19:34	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
Tetrachloroethene [127-18-4] ^	**2.7**		ug/L	1	0.36	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/26/09 19:34	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/09 19:34	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
Trichlorofluoromethane [75-69-4] ^	**2.2**		ug/L	1	0.28	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/26/09 19:34	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/26/09 19:34	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/26/09 19:34	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*9C26015*	*EPA 8260B*	*03/26/09 19:34*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*68-117*	*9C26015*	*EPA 8260B*	*03/26/09 19:34*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*69-110*	*9C26015*	*EPA 8260B*	*03/26/09 19:34*	*JKG*	

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Description: 4501-MW9
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C903307-05
Sampled: 03/24/09 11:25
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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 8270C	03/31/09 16:54	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 16:54	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 16:54	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	03/31/09 16:54	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:54	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 16:54	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 16:54	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	03/31/09 16:54	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:54	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	03/31/09 16:54	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	03/31/09 16:54	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 16:54	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	03/31/09 16:54	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 16:54	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 16:54	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	03/31/09 16:54	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 16:54	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 16:54	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	03/31/09 16:54	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	03/31/09 16:54	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:54	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 16:54	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	03/31/09 16:54	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:54	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 16:54	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 16:54	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	03/31/09 16:54	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:54	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	

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Description: 4501-MW9
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C903307-05
Sampled: 03/24/09 11:25
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 16:54	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 16:54	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	03/31/09 16:54	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	15	EPA 8270C	03/31/09 16:54	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 16:54	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:54	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 16:54	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 16:54	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 16:54	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 16:54	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:54	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 16:54	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 16:54	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:54	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	03/31/09 16:54	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:54	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 16:54	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 16:54	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 16:54	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	03/31/09 16:54	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	03/31/09 16:54	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:54	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 16:54	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	03/31/09 16:54	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 16:54	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 16:54	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 16:54	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 16:54	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	03/31/09 16:54	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 16:54	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	

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Description:	4501-MW9	**Lab Sample ID:**	C903307-05	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 11:25	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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 8270C	03/31/09 16:54	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:54	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:54	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 16:54	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 16:54	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 16:54	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	03/31/09 16:54	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	03/31/09 16:54	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 16:54	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 16:54	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	03/31/09 16:54	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*74*	*1*	*100*	*74 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/31/09 16:54*	*DFM*	
2-Fluorobiphenyl	*33*	*1*	*50.0*	*67 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/31/09 16:54*	*DFM*	
2-Fluorophenol	*44*	*1*	*100*	*44 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/31/09 16:54*	*DFM*	
Nitrobenzene-d5	*31*	*1*	*50.0*	*63 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/31/09 16:54*	*DFM*	
Phenol-d5	*40*	*1*	*100*	*40 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/31/09 16:54*	*DFM*	
Terphenyl-d14	*34*	*1*	*50.0*	*68 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/31/09 16:54*	*DFM*	

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Description:	4501-MW9	**Lab Sample ID:**	C903307-05	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 11:25	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081A	03/30/09 12:14	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081A	03/30/09 12:14	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:14	JHH	
Aldrin [309-00-2] ^	0.021	U	ug/L	1	0.021	0.050	0.05	EPA 8081A	03/30/09 12:14	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 12:14	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081A	03/30/09 12:14	JHH	
Chlordane (n.o.s.) [57-74-9]	0.020	U	ug/L	1	0.020	1.0		EPA 8081A	03/30/09 12:14	JHH	
Chlordane (tech) [12789-03-6] ^	0.020	U	ug/L	1	0.020	0.50	0.5	EPA 8081A	03/30/09 12:14	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081A	03/30/09 12:14	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081A	03/30/09 12:14	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081A	03/30/09 12:14	JHH	
Dieldrin [60-57-1] ^	0.023	U	ug/L	1	0.023	0.050	0.075	EPA 8081A	03/30/09 12:14	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:14	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:14	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:14	JHH	
Endrin [72-20-8] ^	0.026	U	ug/L	1	0.026	0.050	0.1	EPA 8081A	03/30/09 12:14	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081A	03/30/09 12:14	JHH	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081A	03/30/09 12:14	JHH	
Heptachlor [76-44-8] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 12:14	JHH	
Heptachlor epoxide [1024-57-3] ^	0.025	U	ug/L	1	0.025	0.050	0.075	EPA 8081A	03/30/09 12:14	JHH	
Methoxychlor [72-43-5] ^	0.026	U	ug/L	1	0.026	0.050	1	EPA 8081A	03/30/09 12:14	JHH	
Toxaphene [8001-35-2] ^	0.67	U	ug/L	1	0.67	1.0	1.5	EPA 8081A	03/30/09 12:14	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 %*	*39-151*	*9C27016*	*EPA 8081A*	*03/30/09 12:14*	*JHH*	
Decachlorobiphenyl	*1.3*	*1*	*1.00*	*129 %*	*55-118*	*9C27016*	*EPA 8081A*	*03/30/09 12:14*	*JHH*	*QS-03*

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Description:	4501-MW9	**Lab Sample ID:**	C903307-05	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 11:25	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.43	U	ug/L	1	0.43	0.50	2	EPA 8082	03/30/09 12:14	JHH	
PCB-1221 [11104-28-2] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:14	JHH	
PCB-1232 [11141-16-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:14	JHH	
PCB-1248 [12672-29-6] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:14	JHH	
PCB-1254 [11097-69-1] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:14	JHH	
PCB-1260 [11096-82-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:14	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 %*	*39-151*	*9C27016*	*EPA 8082*	*03/30/09 12:14*	*JHH*	
Decachlorobiphenyl	*1.3*	*1*	*1.00*	*129 %*	*55-118*	*9C27016*	*EPA 8082*	*03/30/09 12:14*	*JHH*	*QS-03*

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Description: 4501-MW9
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C903307-05
Sampled: 03/24/09 11:25
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 11:57	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/30/09 14:48	JDH	
Barium [7440-39-3] ^	**56.7**	J	ug/L	1	4.20	10.0	100	EPA 6010B	03/30/09 14:48	JDH	
Beryllium [7440-41-7] ^	**0.35**	J	ug/L	1	0.08	1.00	1	EPA 6010B	03/30/09 14:48	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	1	EPA 6010B	03/30/09 14:48	JDH	
Chromium [7440-47-3] ^	0.7	U	ug/L	1	0.7	10.0	10	EPA 6010B	03/30/09 14:48	JDH	
Cobalt [7440-48-4] ^	0.6	U	ug/L	1	0.6	10.0	10	EPA 6010B	03/30/09 14:48	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/30/09 14:48	JDH	
Lead [7439-92-1] ^	1.6	U	ug/L	1	1.6	10.0	10	EPA 6010B	03/30/09 14:48	JDH	
Mercury [7439-97-6] ^	**0.14**	J	ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 14:21	NLH	
Nickel [7440-02-0] ^	0.6	U	ug/L	1	0.6	10.0	50	EPA 6010B	03/30/09 14:48	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:48	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/30/09 14:48	JDH	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 11:57	VLO	
Tin [7440-31-5] ^	1.1	U	ug/L	1	1.1	10.0	100	EPA 6010B	03/30/09 14:48	JDH	
Vanadium [7440-62-2] ^	**0.7**	J	ug/L	1	0.7	10.0	25	EPA 6010B	03/30/09 14:48	JDH	
Zinc [7440-66-6] ^	**4.1**	J	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:48	JDH	

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Description:	4501-MW9	**Lab Sample ID:**	C903307-05	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 11:25	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Cyanide (total) [57-12-5] ^	0.0040	U	mg/L	1	0.0040	0.0050	10	EPA 335.4	03/30/09 08:09	PEV	
Sulfide [18496-25-8] ^	0.10	U	mg/L	1	0.10	0.10	1	SM18 4500-S D	03/30/09 15:50	GPW	

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Description:	4501-MW9	**Lab Sample ID:**	C903307-05	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 11:25	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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	04/01/09 05:19	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	04/01/09 05:19	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	04/01/09 05:19	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	04/01/09 05:19	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	04/01/09 05:19	RGG	QV-01

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.0*	*1*	*2.00*	*99 %*	*68-139*	*9C26030*	*EPA 8151A*	*04/01/09 05:19*	*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: C903307-06
Sampled: 03/24/09 14:35
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/26/09 20:03	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/26/09 20:03	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/26/09 20:03	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/26/09 20:03	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	03/26/09 20:03	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	03/26/09 20:03	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/09 20:03	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/26/09 20:03	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	03/26/09 20:03	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.57**	J	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	03/26/09 20:03	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/09 20:03	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/09 20:03	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/09 20:03	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/09 20:03	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/09 20:03	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/26/09 20:03	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/26/09 20:03	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/26/09 20:03	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/26/09 20:03	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/26/09 20:03	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/26/09 20:03	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/09 20:03	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
Chlorobenzene [108-90-7] ^	**0.46**	J	ug/L	1	0.27	1.0	3	EPA 8260B	03/26/09 20:03	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/26/09 20:03	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/26/09 20:03	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/26/09 20:03	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/26/09 20:03	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/26/09 20:03	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/26/09 20:03	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	03/26/09 20:03	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	2.0	10	EPA 8260B	03/26/09 20:03	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/26/09 20:03	JKG	

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Description:	4501-AMW1S	**Lab Sample ID:**	C903307-06	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 14:35	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	03/26/09 20:03	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/26/09 20:03	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/26/09 20:03	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/26/09 20:03	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	03/26/09 20:03	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/26/09 20:03	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/26/09 20:03	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/09 20:03	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/26/09 20:03	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/26/09 20:03	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/26/09 20:03	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C26015*	*EPA 8260B*	*03/26/09 20:03*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*9C26015*	*EPA 8260B*	*03/26/09 20:03*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*69-110*	*9C26015*	*EPA 8260B*	*03/26/09 20:03*	*JKG*	

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

Lab Sample ID: C903307-06
Sampled: 03/24/09 14:35
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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 8270C	03/31/09 17:24	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 17:24	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 17:24	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	03/31/09 17:24	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:24	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 17:24	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 17:24	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	03/31/09 17:24	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:24	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	03/31/09 17:24	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	03/31/09 17:24	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 17:24	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	03/31/09 17:24	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 17:24	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 17:24	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	03/31/09 17:24	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 17:24	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 17:24	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	03/31/09 17:24	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	03/31/09 17:24	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:24	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 17:24	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	03/31/09 17:24	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:24	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 17:24	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 17:24	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	03/31/09 17:24	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:24	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	

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

Lab Sample ID: C903307-06
Sampled: 03/24/09 14:35
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 17:24	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 17:24	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	03/31/09 17:24	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	15	EPA 8270C	03/31/09 17:24	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 17:24	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:24	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 17:24	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 17:24	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 17:24	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 17:24	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:24	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 17:24	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 17:24	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:24	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	03/31/09 17:24	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:24	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 17:24	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 17:24	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 17:24	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	03/31/09 17:24	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	03/31/09 17:24	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:24	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 17:24	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	03/31/09 17:24	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 17:24	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 17:24	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:24	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 17:24	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	03/31/09 17:24	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 17:24	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	

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Description:	4501-AMW1S	**Lab Sample ID:**	C903307-06	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 14:35	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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 8270C	03/31/09 17:24	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:24	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:24	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:24	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 17:24	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 17:24	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	03/31/09 17:24	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	03/31/09 17:24	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:24	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 17:24	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	03/31/09 17:24	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*68*	*1*	*100*	*68 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/31/09 17:24*	*DFM*	
2-Fluorobiphenyl	*33*	*1*	*50.0*	*65 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/31/09 17:24*	*DFM*	
2-Fluorophenol	*39*	*1*	*100*	*39 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/31/09 17:24*	*DFM*	
Nitrobenzene-d5	*32*	*1*	*50.0*	*63 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/31/09 17:24*	*DFM*	
Phenol-d5	*33*	*1*	*100*	*33 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/31/09 17:24*	*DFM*	
Terphenyl-d14	*35*	*1*	*50.0*	*69 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/31/09 17:24*	*DFM*	

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Description:	4501-AMW1S	**Lab Sample ID:**	C903307-06	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 14:35	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081A	03/30/09 12:27	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081A	03/30/09 12:27	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:27	JHH	
Aldrin [309-00-2] ^	0.021	U	ug/L	1	0.021	0.050	0.05	EPA 8081A	03/30/09 12:27	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 12:27	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081A	03/30/09 12:27	JHH	
Chlordane (n.o.s.) [57-74-9]	0.020	U	ug/L	1	0.020	1.0		EPA 8081A	03/30/09 12:27	JHH	
Chlordane (tech) [12789-03-6] ^	0.020	U	ug/L	1	0.020	0.50	0.5	EPA 8081A	03/30/09 12:27	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081A	03/30/09 12:27	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081A	03/30/09 12:27	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081A	03/30/09 12:27	JHH	
Dieldrin [60-57-1] ^	0.023	U	ug/L	1	0.023	0.050	0.075	EPA 8081A	03/30/09 12:27	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:27	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:27	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:27	JHH	
Endrin [72-20-8] ^	0.026	U	ug/L	1	0.026	0.050	0.1	EPA 8081A	03/30/09 12:27	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081A	03/30/09 12:27	JHH	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081A	03/30/09 12:27	JHH	
Heptachlor [76-44-8] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 12:27	JHH	
Heptachlor epoxide [1024-57-3] ^	0.025	U	ug/L	1	0.025	0.050	0.075	EPA 8081A	03/30/09 12:27	JHH	
Methoxychlor [72-43-5] ^	0.026	U	ug/L	1	0.026	0.050	1	EPA 8081A	03/30/09 12:27	JHH	
Toxaphene [8001-35-2] ^	0.67	U	ug/L	1	0.67	1.0	1.5	EPA 8081A	03/30/09 12:27	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*107 %*	*39-151*	*9C27016*	*EPA 8081A*	*03/30/09 12:27*	*JHH*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*116 %*	*55-118*	*9C27016*	*EPA 8081A*	*03/30/09 12:27*	*JHH*	

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Description:	4501-AMW1S	**Lab Sample ID:**	C903307-06	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 14:35	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.43	U	ug/L	1	0.43	0.50	2	EPA 8082	03/30/09 12:27	JHH	
PCB-1221 [11104-28-2] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:27	JHH	
PCB-1232 [11141-16-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:27	JHH	
PCB-1248 [12672-29-6] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:27	JHH	
PCB-1254 [11097-69-1] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:27	JHH	
PCB-1260 [11096-82-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:27	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*107 %*	*39-151*	*9C27016*	*EPA 8082*	*03/30/09 12:27*	*JHH*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*116 %*	*55-118*	*9C27016*	*EPA 8082*	*03/30/09 12:27*	*JHH*	

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

Lab Sample ID: C903307-06
Sampled: 03/24/09 14:35
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 12:01	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/30/09 14:51	JDH	
Barium [7440-39-3] ^	**221**		ug/L	1	4.20	10.0	100	EPA 6010B	03/30/09 14:51	JDH	
Beryllium [7440-41-7] ^	**1.30**		ug/L	1	0.08	1.00	1	EPA 6010B	03/30/09 14:51	JDH	
Cadmium [7440-43-9] ^	**0.61**	J	ug/L	1	0.09	1.00	1	EPA 6010B	03/30/09 14:51	JDH	
Chromium [7440-47-3] ^	**1.2**	J	ug/L	1	0.7	10.0	10	EPA 6010B	03/30/09 14:51	JDH	
Cobalt [7440-48-4] ^	**10.7**		ug/L	1	0.6	10.0	10	EPA 6010B	03/30/09 14:51	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/30/09 14:51	JDH	
Lead [7439-92-1] ^	**2.5**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/30/09 14:51	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 14:24	NLH	
Nickel [7440-02-0] ^	**2.5**	J	ug/L	1	0.6	10.0	50	EPA 6010B	03/30/09 14:51	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:51	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/30/09 14:51	JDH	
Thallium [7440-28-0] ^	**0.280**	JB	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 12:01	VLO	J-01
Tin [7440-31-5] ^	**1.3**	J	ug/L	1	1.1	10.0	100	EPA 6010B	03/30/09 14:51	JDH	
Vanadium [7440-62-2] ^	0.7	U	ug/L	1	0.7	10.0	25	EPA 6010B	03/30/09 14:51	JDH	
Zinc [7440-66-6] ^	**4.1**	J	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:51	JDH	

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Description:	4501-AMW1S	**Lab Sample ID:**	C903307-06	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 14:35	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Cyanide (total) [57-12-5] ^	0.0040	U	mg/L	1	0.0040	0.0050	10	EPA 335.4	03/30/09 08:11	PEV	
Sulfide [18496-25-8] ^	0.10	U	mg/L	1	0.10	0.10	1	SM18 4500-S D	03/30/09 15:50	GPW	

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Description:	4501-AMW1S	**Lab Sample ID:**	C903307-06	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 14:35	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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	04/01/09 05:56	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	04/01/09 05:56	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	04/01/09 05:56	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	04/01/09 05:56	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	04/01/09 05:56	RGG	QV-01

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.4*	*1*	*2.00*	*120 %*	*68-139*	*9C26030*	*EPA 8151A*	*04/01/09 05:56*	*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-AMW1D
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C903307-07
Sampled: 03/24/09 14:50
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 13:01	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 13:01	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.2**	J	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 13:01	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 13:01	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	03/27/09 13:01	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	03/27/09 13:01	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 13:01	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.53**	J	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 13:01	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	03/27/09 13:01	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**2.6**		ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	03/27/09 13:01	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 13:01	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 13:01	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/09 13:01	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 13:01	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 13:01	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/27/09 13:01	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/27/09 13:01	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 13:01	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 13:01	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 13:01	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 13:01	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 13:01	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
Chlorobenzene [108-90-7] ^	**3.8**		ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 13:01	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 13:01	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 13:01	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/27/09 13:01	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**1.7**	J	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 13:01	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 13:01	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 13:01	JKG	
Dichlorodifluoromethane [75-71-8] ^	**0.55**	J	ug/L	1	0.38	1.0	5	EPA 8260B	03/27/09 13:01	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	2.0	10	EPA 8260B	03/27/09 13:01	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 13:01	JKG	

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Description:	4501-AMW1D	**Lab Sample ID:**	C903307-07	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 14:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	03/27/09 13:01	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/27/09 13:01	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/27/09 13:01	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 13:01	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	03/27/09 13:01	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/27/09 13:01	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 13:01	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 13:01	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 13:01	JKG	
Vinyl chloride [75-01-4] ^	**0.60**	J	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 13:01	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 13:01	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 13:01*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 13:01*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 13:01*	*JKG*	

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

Lab Sample ID: C903307-07
Sampled: 03/24/09 14:50
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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 8270C	03/31/09 17:54	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 17:54	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 17:54	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	03/31/09 17:54	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:54	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 17:54	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 17:54	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	03/31/09 17:54	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:54	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	03/31/09 17:54	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	03/31/09 17:54	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 17:54	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	03/31/09 17:54	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 17:54	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 17:54	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	03/31/09 17:54	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 17:54	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 17:54	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	03/31/09 17:54	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	03/31/09 17:54	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:54	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 17:54	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	03/31/09 17:54	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:54	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 17:54	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 17:54	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	03/31/09 17:54	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:54	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	

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

Lab Sample ID: C903307-07
Sampled: 03/24/09 14:50
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 17:54	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 17:54	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	03/31/09 17:54	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	15	EPA 8270C	03/31/09 17:54	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 17:54	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:54	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 17:54	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 17:54	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 17:54	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 17:54	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:54	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 17:54	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 17:54	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:54	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	03/31/09 17:54	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:54	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 17:54	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 17:54	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 17:54	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	03/31/09 17:54	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	03/31/09 17:54	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:54	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 17:54	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	03/31/09 17:54	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 17:54	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 17:54	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 17:54	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 17:54	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	03/31/09 17:54	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 17:54	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	

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Description:	4501-AMW1D	**Lab Sample ID:**	C903307-07	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 14:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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 8270C	03/31/09 17:54	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:54	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:54	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 17:54	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 17:54	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 17:54	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	03/31/09 17:54	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	03/31/09 17:54	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 17:54	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 17:54	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	03/31/09 17:54	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*89*	*1*	*100*	*89 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/31/09 17:54*	*DFM*	
2-Fluorobiphenyl	*34*	*1*	*50.0*	*68 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/31/09 17:54*	*DFM*	
2-Fluorophenol	*48*	*1*	*100*	*48 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/31/09 17:54*	*DFM*	
Nitrobenzene-d5	*34*	*1*	*50.0*	*69 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/31/09 17:54*	*DFM*	
Phenol-d5	*40*	*1*	*100*	*40 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/31/09 17:54*	*DFM*	
Terphenyl-d14	*39*	*1*	*50.0*	*77 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/31/09 17:54*	*DFM*	

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Description:	4501-AMW1D	**Lab Sample ID:**	C903307-07	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 14:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081A	03/30/09 12:41	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081A	03/30/09 12:41	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:41	JHH	
Aldrin [309-00-2] ^	0.021	U	ug/L	1	0.021	0.050	0.05	EPA 8081A	03/30/09 12:41	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 12:41	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081A	03/30/09 12:41	JHH	
Chlordane (n.o.s.) [57-74-9]	0.020	U	ug/L	1	0.020	1.0		EPA 8081A	03/30/09 12:41	JHH	
Chlordane (tech) [12789-03-6] ^	0.020	U	ug/L	1	0.020	0.50	0.5	EPA 8081A	03/30/09 12:41	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081A	03/30/09 12:41	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081A	03/30/09 12:41	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081A	03/30/09 12:41	JHH	
Dieldrin [60-57-1] ^	0.023	U	ug/L	1	0.023	0.050	0.075	EPA 8081A	03/30/09 12:41	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:41	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:41	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:41	JHH	
Endrin [72-20-8] ^	0.026	U	ug/L	1	0.026	0.050	0.1	EPA 8081A	03/30/09 12:41	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081A	03/30/09 12:41	JHH	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081A	03/30/09 12:41	JHH	
Heptachlor [76-44-8] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 12:41	JHH	
Heptachlor epoxide [1024-57-3] ^	0.025	U	ug/L	1	0.025	0.050	0.075	EPA 8081A	03/30/09 12:41	JHH	
Methoxychlor [72-43-5] ^	0.026	U	ug/L	1	0.026	0.050	1	EPA 8081A	03/30/09 12:41	JHH	
Toxaphene [8001-35-2] ^	0.67	U	ug/L	1	0.67	1.0	1.5	EPA 8081A	03/30/09 12:41	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.92*	*1*	*1.00*	*92 %*	*39-151*	*9C27016*	*EPA 8081A*	*03/30/09 12:41*	*JHH*	
Decachlorobiphenyl	*0.95*	*1*	*1.00*	*95 %*	*55-118*	*9C27016*	*EPA 8081A*	*03/30/09 12:41*	*JHH*	

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Description:	4501-AMW1D	**Lab Sample ID:**	C903307-07	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 14:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.43	U	ug/L	1	0.43	0.50	2	EPA 8082	03/30/09 12:41	JHH	
PCB-1221 [11104-28-2] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:41	JHH	
PCB-1232 [11141-16-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:41	JHH	
PCB-1248 [12672-29-6] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:41	JHH	
PCB-1254 [11097-69-1] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:41	JHH	
PCB-1260 [11096-82-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:41	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.92*	*1*	*1.00*	*92 %*	*39-151*	*9C27016*	*EPA 8082*	*03/30/09 12:41*	*JHH*	
Decachlorobiphenyl	*0.95*	*1*	*1.00*	*95 %*	*55-118*	*9C27016*	*EPA 8082*	*03/30/09 12:41*	*JHH*	

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

Lab Sample ID: C903307-07
Sampled: 03/24/09 14:50
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 12:04	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/30/09 14:53	JDH	
Barium [7440-39-3] ^	**19.0**	J	ug/L	1	4.20	10.0	100	EPA 6010B	03/30/09 14:53	JDH	
Beryllium [7440-41-7] ^	0.08	U	ug/L	1	0.08	1.00	1	EPA 6010B	03/30/09 14:53	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	1	EPA 6010B	03/30/09 14:53	JDH	
Chromium [7440-47-3] ^	0.7	U	ug/L	1	0.7	10.0	10	EPA 6010B	03/30/09 14:53	JDH	
Cobalt [7440-48-4] ^	0.6	U	ug/L	1	0.6	10.0	10	EPA 6010B	03/30/09 14:53	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/30/09 14:53	JDH	
Lead [7439-92-1] ^	**1.6**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/30/09 14:53	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 14:27	NLH	
Nickel [7440-02-0] ^	**0.9**	J	ug/L	1	0.6	10.0	50	EPA 6010B	03/30/09 14:53	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:53	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/30/09 14:53	JDH	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 12:04	VLO	
Tin [7440-31-5] ^	**2.0**	J	ug/L	1	1.1	10.0	100	EPA 6010B	03/30/09 14:53	JDH	
Vanadium [7440-62-2] ^	0.7	U	ug/L	1	0.7	10.0	25	EPA 6010B	03/30/09 14:53	JDH	
Zinc [7440-66-6] ^	**3.4**	J	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:53	JDH	

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Description:	4501-AMW1D	**Lab Sample ID:**	C903307-07	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 14:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Cyanide (total) [57-12-5] ^	0.0040	U	mg/L	1	0.0040	0.0050	10	EPA 335.4	03/30/09 08:12	PEV	
Sulfide [18496-25-8] ^	0.10	U	mg/L	1	0.10	0.10	1	SM18 4500-S D	03/30/09 15:50	GPW	

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Description:	4501-AMW1D	**Lab Sample ID:**	C903307-07	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 14:50	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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	04/01/09 06:33	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	04/01/09 06:33	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	04/01/09 06:33	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	04/01/09 06:33	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	04/01/09 06:33	RGG	QV-01

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.3*	*1*	*2.00*	*114 %*	*68-139*	*9C26030*	*EPA 8151A*	*04/01/09 06:33*	*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-AMW2S
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C903307-08
Sampled: 03/24/09 15:10
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 13:31	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 13:31	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.1**	J	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 13:31	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 13:31	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	03/27/09 13:31	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	03/27/09 13:31	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 13:31	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 13:31	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	03/27/09 13:31	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**1.4**		ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	03/27/09 13:31	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 13:31	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 13:31	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/09 13:31	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 13:31	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 13:31	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/27/09 13:31	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/27/09 13:31	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 13:31	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 13:31	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 13:31	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 13:31	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 13:31	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
Chlorobenzene [108-90-7] ^	**2.0**	J	ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 13:31	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 13:31	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 13:31	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/27/09 13:31	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**1.7**	J	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 13:31	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 13:31	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 13:31	JKG	
Dichlorodifluoromethane [75-71-8] ^	**0.86**	J	ug/L	1	0.38	1.0	5	EPA 8260B	03/27/09 13:31	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	2.0	10	EPA 8260B	03/27/09 13:31	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 13:31	JKG	

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Work Order: C903307

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	03/27/09 13:31	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/27/09 13:31	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/27/09 13:31	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 13:31	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	03/27/09 13:31	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/27/09 13:31	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 13:31	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 13:31	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 13:31	JKG	
Vinyl chloride [75-01-4] ^	**0.53**	J	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 13:31	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 13:31	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 13:31*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 13:31*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 13:31*	*JKG*	

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Received: 03/25/09 10:00
Work Order: C903307

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 8270C	03/31/09 18:24	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 18:24	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 18:24	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	03/31/09 18:24	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:24	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 18:24	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 18:24	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	03/31/09 18:24	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:24	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	03/31/09 18:24	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	03/31/09 18:24	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 18:24	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	03/31/09 18:24	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 18:24	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 18:24	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	03/31/09 18:24	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 18:24	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 18:24	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	03/31/09 18:24	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	03/31/09 18:24	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:24	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 18:24	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	03/31/09 18:24	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:24	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 18:24	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 18:24	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	03/31/09 18:24	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:24	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	

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Received: 03/25/09 10:00
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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] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 18:24	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 18:24	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	03/31/09 18:24	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	15	EPA 8270C	03/31/09 18:24	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 18:24	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:24	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 18:24	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 18:24	DFM	
Diethylphthalate [84-66-2] ^	**1.5**	J	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 18:24	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 18:24	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:24	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 18:24	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 18:24	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:24	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	03/31/09 18:24	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:24	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 18:24	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 18:24	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 18:24	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	03/31/09 18:24	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	03/31/09 18:24	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:24	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 18:24	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	03/31/09 18:24	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 18:24	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 18:24	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:24	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 18:24	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	03/31/09 18:24	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 18:24	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	

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Description:	4501-AMW2S	**Lab Sample ID:**	C903307-08	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 15:10	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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 8270C	03/31/09 18:24	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:24	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:24	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:24	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 18:24	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 18:24	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	03/31/09 18:24	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	03/31/09 18:24	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:24	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 18:24	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	03/31/09 18:24	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*95*	*1*	*100*	*95 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/31/09 18:24*	*DFM*	
2-Fluorobiphenyl	*35*	*1*	*50.0*	*69 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/31/09 18:24*	*DFM*	
2-Fluorophenol	*48*	*1*	*100*	*48 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/31/09 18:24*	*DFM*	
Nitrobenzene-d5	*35*	*1*	*50.0*	*70 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/31/09 18:24*	*DFM*	
Phenol-d5	*41*	*1*	*100*	*41 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/31/09 18:24*	*DFM*	
Terphenyl-d14	*38*	*1*	*50.0*	*77 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/31/09 18:24*	*DFM*	

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Description:	4501-AMW2S	**Lab Sample ID:**	C903307-08	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 15:10	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081A	03/30/09 12:54	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081A	03/30/09 12:54	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:54	JHH	
Aldrin [309-00-2] ^	0.021	U	ug/L	1	0.021	0.050	0.05	EPA 8081A	03/30/09 12:54	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 12:54	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081A	03/30/09 12:54	JHH	
Chlordane (n.o.s.) [57-74-9]	0.020	U	ug/L	1	0.020	1.0		EPA 8081A	03/30/09 12:54	JHH	
Chlordane (tech) [12789-03-6] ^	0.020	U	ug/L	1	0.020	0.50	0.5	EPA 8081A	03/30/09 12:54	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081A	03/30/09 12:54	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081A	03/30/09 12:54	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081A	03/30/09 12:54	JHH	
Dieldrin [60-57-1] ^	0.023	U	ug/L	1	0.023	0.050	0.075	EPA 8081A	03/30/09 12:54	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:54	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:54	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 12:54	JHH	
Endrin [72-20-8] ^	0.026	U	ug/L	1	0.026	0.050	0.1	EPA 8081A	03/30/09 12:54	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081A	03/30/09 12:54	JHH	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081A	03/30/09 12:54	JHH	
Heptachlor [76-44-8] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 12:54	JHH	
Heptachlor epoxide [1024-57-3] ^	0.025	U	ug/L	1	0.025	0.050	0.075	EPA 8081A	03/30/09 12:54	JHH	
Methoxychlor [72-43-5] ^	0.026	U	ug/L	1	0.026	0.050	1	EPA 8081A	03/30/09 12:54	JHH	
Toxaphene [8001-35-2] ^	0.67	U	ug/L	1	0.67	1.0	1.5	EPA 8081A	03/30/09 12:54	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.3*	*1*	*1.00*	*126 %*	*39-151*	*9C27016*	*EPA 8081A*	*03/30/09 12:54*	*JHH*	
Decachlorobiphenyl	*1.3*	*1*	*1.00*	*126 %*	*55-118*	*9C27016*	*EPA 8081A*	*03/30/09 12:54*	*JHH*	*QS-03*

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Description:	4501-AMW2S	**Lab Sample ID:**	C903307-08	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 15:10	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.43	U	ug/L	1	0.43	0.50	2	EPA 8082	03/30/09 12:54	JHH	
PCB-1221 [11104-28-2] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:54	JHH	
PCB-1232 [11141-16-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:54	JHH	
PCB-1248 [12672-29-6] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:54	JHH	
PCB-1254 [11097-69-1] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:54	JHH	
PCB-1260 [11096-82-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 12:54	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.3*	*1*	*1.00*	*126 %*	*39-151*	*9C27016*	*EPA 8082*	*03/30/09 12:54*	*JHH*	
Decachlorobiphenyl	*1.3*	*1*	*1.00*	*126 %*	*55-118*	*9C27016*	*EPA 8082*	*03/30/09 12:54*	*JHH*	*QS-03*

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

Lab Sample ID: C903307-08
Sampled: 03/24/09 15:10
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 12:07	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/30/09 14:55	JDH	
Barium [7440-39-3] ^	**15.4**	J	ug/L	1	4.20	10.0	100	EPA 6010B	03/30/09 14:55	JDH	
Beryllium [7440-41-7] ^	**0.18**	J	ug/L	1	0.08	1.00	1	EPA 6010B	03/30/09 14:55	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	1	EPA 6010B	03/30/09 14:55	JDH	
Chromium [7440-47-3] ^	0.7	U	ug/L	1	0.7	10.0	10	EPA 6010B	03/30/09 14:55	JDH	
Cobalt [7440-48-4] ^	**4.0**	J	ug/L	1	0.6	10.0	10	EPA 6010B	03/30/09 14:55	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/30/09 14:55	JDH	
Lead [7439-92-1] ^	**3.1**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/30/09 14:55	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 14:30	NLH	
Nickel [7440-02-0] ^	**2.2**	J	ug/L	1	0.6	10.0	50	EPA 6010B	03/30/09 14:55	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:55	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/30/09 14:55	JDH	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 12:07	VLO	
Tin [7440-31-5] ^	**1.5**	J	ug/L	1	1.1	10.0	100	EPA 6010B	03/30/09 14:55	JDH	
Vanadium [7440-62-2] ^	**3.0**	J	ug/L	1	0.7	10.0	25	EPA 6010B	03/30/09 14:55	JDH	
Zinc [7440-66-6] ^	**7.7**	J	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:55	JDH	

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

Lab Sample ID: C903307-08
Sampled: 03/24/09 15:10
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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] ^	0.0040	U	mg/L	1	0.0040	0.0050	10	EPA 335.4	03/30/09 08:14	PEV	
Sulfide [18496-25-8] ^	0.10	U	mg/L	1	0.10	0.10	1	SM18 4500-S D	03/30/09 15:50	GPW	

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Description:	4501-AMW2S	**Lab Sample ID:**	C903307-08	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 15:10	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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	04/01/09 07:11	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	04/01/09 07:11	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	04/01/09 07:11	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	04/01/09 07:11	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	04/01/09 07:11	RGG	QV-01

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.0*	*1*	*2.00*	*102 %*	*68-139*	*9C26030*	*EPA 8151A*	*04/01/09 07:11*	*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-AMW2D
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C903307-09
Sampled: 03/24/09 15:25
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 14:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 14:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 14:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 14:04	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	03/27/09 14:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	03/27/09 14:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 14:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 14:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	03/27/09 14:04	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	03/27/09 14:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 14:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 14:04	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/09 14:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 14:04	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 14:04	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/27/09 14:04	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/27/09 14:04	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 14:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 14:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 14:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 14:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 14:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 14:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 14:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 14:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/27/09 14:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 14:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 14:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 14:04	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	03/27/09 14:04	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	2.0	10	EPA 8260B	03/27/09 14:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 14:04	JKG	

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

Lab Sample ID: C903307-09
Sampled: 03/24/09 15:25
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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	03/27/09 14:04	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/27/09 14:04	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/27/09 14:04	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 14:04	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	03/27/09 14:04	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/27/09 14:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 14:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 14:04	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 14:04	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 14:04	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 14:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 14:04*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 14:04*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 14:04*	*JKG*	

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

Lab Sample ID: C903307-09
Sampled: 03/24/09 15:25
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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 8270C	03/31/09 18:54	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 18:54	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 18:54	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	03/31/09 18:54	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:54	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 18:54	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 18:54	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	03/31/09 18:54	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:54	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	03/31/09 18:54	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	03/31/09 18:54	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 18:54	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	03/31/09 18:54	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 18:54	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 18:54	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	03/31/09 18:54	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 18:54	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 18:54	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	03/31/09 18:54	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	03/31/09 18:54	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:54	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 18:54	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	03/31/09 18:54	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:54	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 18:54	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 18:54	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	03/31/09 18:54	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:54	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	

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

Lab Sample ID: C903307-09
Sampled: 03/24/09 15:25
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 18:54	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 18:54	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	03/31/09 18:54	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	15	EPA 8270C	03/31/09 18:54	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 18:54	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:54	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 18:54	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 18:54	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 18:54	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 18:54	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:54	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 18:54	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 18:54	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:54	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	03/31/09 18:54	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:54	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 18:54	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 18:54	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 18:54	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	03/31/09 18:54	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	03/31/09 18:54	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:54	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 18:54	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	03/31/09 18:54	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 18:54	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 18:54	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 18:54	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 18:54	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	03/31/09 18:54	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 18:54	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	

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Description:	4501-AMW2D	**Lab Sample ID:**	C903307-09	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 15:25	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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 8270C	03/31/09 18:54	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:54	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:54	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 18:54	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 18:54	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 18:54	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	03/31/09 18:54	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	03/31/09 18:54	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 18:54	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 18:54	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	03/31/09 18:54	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*62*	*1*	*100*	*62 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/31/09 18:54*	*DFM*	
2-Fluorobiphenyl	*35*	*1*	*50.0*	*70 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/31/09 18:54*	*DFM*	
2-Fluorophenol	*43*	*1*	*100*	*43 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/31/09 18:54*	*DFM*	
Nitrobenzene-d5	*36*	*1*	*50.0*	*72 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/31/09 18:54*	*DFM*	
Phenol-d5	*35*	*1*	*100*	*35 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/31/09 18:54*	*DFM*	
Terphenyl-d14	*32*	*1*	*50.0*	*65 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/31/09 18:54*	*DFM*	

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Description:	4501-AMW2D	**Lab Sample ID:**	C903307-09	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 15:25	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081A	03/30/09 13:07	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081A	03/30/09 13:07	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 13:07	JHH	
Aldrin [309-00-2] ^	0.021	U	ug/L	1	0.021	0.050	0.05	EPA 8081A	03/30/09 13:07	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 13:07	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081A	03/30/09 13:07	JHH	
Chlordane (n.o.s.) [57-74-9]	0.020	U	ug/L	1	0.020	1.0		EPA 8081A	03/30/09 13:07	JHH	
Chlordane (tech) [12789-03-6] ^	0.020	U	ug/L	1	0.020	0.50	0.5	EPA 8081A	03/30/09 13:07	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081A	03/30/09 13:07	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081A	03/30/09 13:07	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081A	03/30/09 13:07	JHH	
Dieldrin [60-57-1] ^	0.023	U	ug/L	1	0.023	0.050	0.075	EPA 8081A	03/30/09 13:07	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 13:07	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 13:07	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 13:07	JHH	
Endrin [72-20-8] ^	0.026	U	ug/L	1	0.026	0.050	0.1	EPA 8081A	03/30/09 13:07	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081A	03/30/09 13:07	JHH	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081A	03/30/09 13:07	JHH	
Heptachlor [76-44-8] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 13:07	JHH	
Heptachlor epoxide [1024-57-3] ^	0.025	U	ug/L	1	0.025	0.050	0.075	EPA 8081A	03/30/09 13:07	JHH	
Methoxychlor [72-43-5] ^	0.026	U	ug/L	1	0.026	0.050	1	EPA 8081A	03/30/09 13:07	JHH	
Toxaphene [8001-35-2] ^	0.67	U	ug/L	1	0.67	1.0	1.5	EPA 8081A	03/30/09 13:07	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*107 %*	*39-151*	*9C27016*	*EPA 8081A*	*03/30/09 13:07*	*JHH*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*111 %*	*55-118*	*9C27016*	*EPA 8081A*	*03/30/09 13:07*	*JHH*	

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Description:	4501-AMW2D	**Lab Sample ID:**	C903307-09	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 15:25	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.43	U	ug/L	1	0.43	0.50	2	EPA 8082	03/30/09 13:07	JHH	
PCB-1221 [11104-28-2] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 13:07	JHH	
PCB-1232 [11141-16-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 13:07	JHH	
PCB-1248 [12672-29-6] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 13:07	JHH	
PCB-1254 [11097-69-1] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 13:07	JHH	
PCB-1260 [11096-82-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 13:07	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*107 %*	*39-151*	*9C27016*	*EPA 8082*	*03/30/09 13:07*	*JHH*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*111 %*	*55-118*	*9C27016*	*EPA 8082*	*03/30/09 13:07*	*JHH*	

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

Lab Sample ID: C903307-09
Sampled: 03/24/09 15:25
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 12:11	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/30/09 14:58	JDH	
Barium [7440-39-3] ^	4.20	U	ug/L	1	4.20	10.0	100	EPA 6010B	03/30/09 14:58	JDH	
Beryllium [7440-41-7] ^	0.08	U	ug/L	1	0.08	1.00	1	EPA 6010B	03/30/09 14:58	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	1	EPA 6010B	03/30/09 14:58	JDH	
Chromium [7440-47-3] ^	**1.5**	J	ug/L	1	0.7	10.0	10	EPA 6010B	03/30/09 14:58	JDH	
Cobalt [7440-48-4] ^	0.6	U	ug/L	1	0.6	10.0	10	EPA 6010B	03/30/09 14:58	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/30/09 14:58	JDH	
Lead [7439-92-1] ^	1.6	U	ug/L	1	1.6	10.0	10	EPA 6010B	03/30/09 14:58	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 14:33	NLH	
Nickel [7440-02-0] ^	0.6	U	ug/L	1	0.6	10.0	50	EPA 6010B	03/30/09 14:58	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:58	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/30/09 14:58	JDH	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 12:11	VLO	
Tin [7440-31-5] ^	1.1	U	ug/L	1	1.1	10.0	100	EPA 6010B	03/30/09 14:58	JDH	
Vanadium [7440-62-2] ^	**0.9**	J	ug/L	1	0.7	10.0	25	EPA 6010B	03/30/09 14:58	JDH	
Zinc [7440-66-6] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 14:58	JDH	

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Description:	4501-AMW2D	**Lab Sample ID:**	C903307-09	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 15:25	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Cyanide (total) [57-12-5] ^	0.0040	U	mg/L	1	0.0040	0.0050	10	EPA 335.4	03/30/09 08:16	PEV	
Sulfide [18496-25-8] ^	0.10	U	mg/L	1	0.10	0.10	1	SM18 4500-S D	03/30/09 15:50	GPW	

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Description:	4501-AMW2D	**Lab Sample ID:**	C903307-09	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 15:25	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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	04/01/09 07:48	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	04/01/09 07:48	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	04/01/09 07:48	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	04/01/09 07:48	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	04/01/09 07:48	RGG	QV-01

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.3*	*1*	*2.00*	*114 %*	*68-139*	*9C26030*	*EPA 8151A*	*04/01/09 07:48*	*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-BR1
Matrix: Surface Water
Project: Henderson Co. LF

Lab Sample ID: C903307-10
Sampled: 03/24/09 13:45
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 14:34	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 14:34	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 14:34	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 14:34	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 14:34	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 14:34	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.59**	J	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 14:34	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 14:34	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 14:34	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 14:34	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 14:34	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 14:34	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 14:34	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 14:34	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 14:34	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
Chlorobenzene [108-90-7] ^	**0.53**	J	ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 14:34	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 14:34	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 14:34	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 14:34	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 14:34	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 14:34	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 14:34	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 14:34	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 14:34	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 14:34	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 14:34	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 14:34	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 14:34	JKG	

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Description:	4501-BR1	**Lab Sample ID:**	C903307-10	**Received:**	03/25/09 10:00
Matrix:	Surface Water	**Sampled:**	03/24/09 13:45	**Work Order:**	C903307
Project:	Henderson Co. LF	**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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 14:34	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 14:34*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 14:34*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 14:34*	*JKG*	

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

Lab Sample ID: C903307-10
Sampled: 03/24/09 13:45
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 12:48	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/26/09 11:55	JDH	
Barium [7440-39-3] ^	**73.2**	J	ug/L	1	4.20	10.0	100	EPA 6010B	03/26/09 11:55	JDH	
Beryllium [7440-41-7] ^	0.08	U	ug/L	1	0.08	1.00	1	EPA 6010B	03/26/09 11:55	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	1	EPA 6010B	03/26/09 11:55	JDH	
Chromium [7440-47-3] ^	**2.0**	J	ug/L	1	0.7	10.0	10	EPA 6010B	03/26/09 11:55	JDH	
Cobalt [7440-48-4] ^	**3.9**	J	ug/L	1	0.6	10.0	10	EPA 6010B	03/26/09 11:55	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/26/09 11:55	JDH	
Lead [7439-92-1] ^	**2.8**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/26/09 11:55	JDH	
Nickel [7440-02-0] ^	**2.0**	J	ug/L	1	0.6	10.0	50	EPA 6010B	03/26/09 11:55	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 11:55	JDH	
Silver [7440-22-4] ^	**1.3**	J	ug/L	1	1.0	10.0	10	EPA 6010B	03/26/09 11:55	JDH	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 12:48	VLO	
Vanadium [7440-62-2] ^	0.7	U	ug/L	1	0.7	10.0	25	EPA 6010B	03/26/09 11:55	JDH	
Zinc [7440-66-6] ^	**5.5**	J	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 11:55	JDH	

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

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

Lab Sample ID: C903307-11
Sampled: 03/24/09 14:00
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 15:34	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 15:34	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 15:34	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 15:34	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 15:34	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.49**	J	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 15:34	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**2.4**		ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 15:34	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 15:34	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 15:34	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 15:34	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 15:34	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 15:34	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 15:34	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 15:34	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 15:34	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
Chlorobenzene [108-90-7] ^	**0.72**	J	ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 15:34	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 15:34	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 15:34	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 15:34	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 15:34	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 15:34	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 15:34	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 15:34	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 15:34	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 15:34	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 15:34	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 15:34	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 15:34	JKG	

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Description:	4501-BR2	**Lab Sample ID:**	C903307-11	**Received:**	03/25/09 10:00
Matrix:	Surface Water	**Sampled:**	03/24/09 14:00	**Work Order:**	C903307
Project:	Henderson Co. LF	**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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 15:34	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 15:34*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*83 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 15:34*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 15:34*	*JKG*	

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

Lab Sample ID: C903307-11
Sampled: 03/24/09 14:00
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 12:52	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/26/09 11:57	JDH	
Barium [7440-39-3] ^	**273**		ug/L	1	4.20	10.0	100	EPA 6010B	03/26/09 11:57	JDH	
Beryllium [7440-41-7] ^	0.08	U	ug/L	1	0.08	1.00	1	EPA 6010B	03/26/09 11:57	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	1	EPA 6010B	03/26/09 11:57	JDH	
Chromium [7440-47-3] ^	**3.4**	J	ug/L	1	0.7	10.0	10	EPA 6010B	03/26/09 11:57	JDH	
Cobalt [7440-48-4] ^	**4.8**	J	ug/L	1	0.6	10.0	10	EPA 6010B	03/26/09 11:57	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/26/09 11:57	JDH	
Lead [7439-92-1] ^	**3.9**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/26/09 11:57	JDH	
Nickel [7440-02-0] ^	**2.5**	J	ug/L	1	0.6	10.0	50	EPA 6010B	03/26/09 11:57	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 11:57	JDH	
Silver [7440-22-4] ^	**2.5**	J	ug/L	1	1.0	10.0	10	EPA 6010B	03/26/09 11:57	JDH	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 12:52	VLO	
Vanadium [7440-62-2] ^	0.7	U	ug/L	1	0.7	10.0	25	EPA 6010B	03/26/09 11:57	JDH	
Zinc [7440-66-6] ^	**5.6**	J	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 11:57	JDH	

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

Lab Sample ID: C903307-12
Sampled: 03/24/09 09:08
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 16:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 16:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 16:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 16:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 16:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 16:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 16:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 16:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 16:04	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 16:04	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 16:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 16:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 16:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 16:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 16:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 16:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 16:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 16:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 16:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 16:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 16:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 16:04	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 16:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 16:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 16:04	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 16:04	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 16:04	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 16:04	JKG	

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Description:	4501-BR3	**Lab Sample ID:**	C903307-12	**Received:**	03/25/09 10:00
Matrix:	Surface Water	**Sampled:**	03/24/09 09:08	**Work Order:**	C903307
Project:	Henderson Co. LF	**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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 16:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 16:04*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 16:04*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 16:04*	*JKG*	

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

Lab Sample ID: C903307-12
Sampled: 03/24/09 09:08
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 12:55	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/26/09 12:00	JDH	
Barium [7440-39-3] ^	**575**		ug/L	1	4.20	10.0	100	EPA 6010B	03/26/09 12:00	JDH	
Beryllium [7440-41-7] ^	**1.01**		ug/L	1	0.08	1.00	1	EPA 6010B	03/26/09 12:00	JDH	
Cadmium [7440-43-9] ^	**1.12**		ug/L	1	0.09	1.00	1	EPA 6010B	03/26/09 12:00	JDH	
Chromium [7440-47-3] ^	**1.9**	J	ug/L	1	0.7	10.0	10	EPA 6010B	03/26/09 12:00	JDH	
Cobalt [7440-48-4] ^	**4.8**	J	ug/L	1	0.6	10.0	10	EPA 6010B	03/26/09 12:00	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/26/09 12:00	JDH	
Lead [7439-92-1] ^	**3.8**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/26/09 12:00	JDH	
Nickel [7440-02-0] ^	**4.2**	J	ug/L	1	0.6	10.0	50	EPA 6010B	03/26/09 12:00	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 12:00	JDH	
Silver [7440-22-4] ^	**2.4**	J	ug/L	1	1.0	10.0	10	EPA 6010B	03/26/09 12:00	JDH	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 12:55	VLO	
Vanadium [7440-62-2] ^	0.7	U	ug/L	1	0.7	10.0	25	EPA 6010B	03/26/09 12:00	JDH	
Zinc [7440-66-6] ^	**35.6**		ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 12:00	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: C903307-13
Sampled: 03/24/09 16:00
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 16:34	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 16:34	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 16:34	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 16:34	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 16:34	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 16:34	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 16:34	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 16:34	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 16:34	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 16:34	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 16:34	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 16:34	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 16:34	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 16:34	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 16:34	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 16:34	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 16:34	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 16:34	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 16:34	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 16:34	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 16:34	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 16:34	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 16:34	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 16:34	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 16:34	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 16:34	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 16:34	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 16:34	JKG	

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Description:	4501-SW1	**Lab Sample ID:**	C903307-13	**Received:**	03/25/09 10:00
Matrix:	Surface Water	**Sampled:**	03/24/09 16:00	**Work Order:**	C903307
Project:	Henderson Co. LF	**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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 16:34	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 16:34*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 16:34*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 16:34*	*JKG*	

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

Lab Sample ID: C903307-13
Sampled: 03/24/09 16:00
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 12:59	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/26/09 12:02	JDH	
Barium [7440-39-3] ^	**42.1**	J	ug/L	1	4.20	10.0	100	EPA 6010B	03/26/09 12:02	JDH	
Beryllium [7440-41-7] ^	0.08	U	ug/L	1	0.08	1.00	1	EPA 6010B	03/26/09 12:02	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	1	EPA 6010B	03/26/09 12:02	JDH	
Chromium [7440-47-3] ^	**1.4**	J	ug/L	1	0.7	10.0	10	EPA 6010B	03/26/09 12:02	JDH	
Cobalt [7440-48-4] ^	**1.0**	J	ug/L	1	0.6	10.0	10	EPA 6010B	03/26/09 12:02	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/26/09 12:02	JDH	
Lead [7439-92-1] ^	**2.1**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/26/09 12:02	JDH	
Nickel [7440-02-0] ^	**1.0**	J	ug/L	1	0.6	10.0	50	EPA 6010B	03/26/09 12:02	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 12:02	JDH	
Silver [7440-22-4] ^	**1.3**	J	ug/L	1	1.0	10.0	10	EPA 6010B	03/26/09 12:02	JDH	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 12:59	VLO	
Vanadium [7440-62-2] ^	0.7	U	ug/L	1	0.7	10.0	25	EPA 6010B	03/26/09 12:02	JDH	
Zinc [7440-66-6] ^	**3.6**	J	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 12:02	JDH	

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

Lab Sample ID: C903307-14
Sampled: 03/24/09 15:35
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 17:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 17:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 17:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 17:04	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	03/27/09 17:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	03/27/09 17:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 17:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 17:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	03/27/09 17:04	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	03/27/09 17:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 17:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 17:04	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/09 17:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 17:04	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 17:04	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/27/09 17:04	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/27/09 17:04	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 17:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 17:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 17:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 17:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 17:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 17:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 17:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 17:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/27/09 17:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 17:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 17:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 17:04	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	03/27/09 17:04	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	2.0	10	EPA 8260B	03/27/09 17:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 17:04	JKG	

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

Lab Sample ID: C903307-14
Sampled: 03/24/09 15:35
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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	03/27/09 17:04	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/27/09 17:04	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/27/09 17:04	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 17:04	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	03/27/09 17:04	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/27/09 17:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 17:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 17:04	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 17:04	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 17:04	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 17:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 17:04*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 17:04*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 17:04*	*JKG*	

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

Lab Sample ID: C903307-14
Sampled: 03/24/09 15:35
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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 8270C	03/31/09 19:24	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 19:24	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 19:24	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	03/31/09 19:24	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 19:24	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 19:24	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 19:24	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	03/31/09 19:24	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 19:24	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	03/31/09 19:24	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	03/31/09 19:24	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	03/31/09 19:24	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	03/31/09 19:24	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 19:24	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 19:24	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	03/31/09 19:24	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 19:24	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 19:24	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	03/31/09 19:24	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	03/31/09 19:24	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 19:24	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 19:24	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	03/31/09 19:24	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 19:24	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	03/31/09 19:24	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	03/31/09 19:24	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	03/31/09 19:24	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 19:24	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	

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Matrix: Water
Project: Henderson Co. LF

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Sampled: 03/24/09 15:35
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 19:24	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 19:24	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	03/31/09 19:24	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	15	EPA 8270C	03/31/09 19:24	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	03/31/09 19:24	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 19:24	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 19:24	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 19:24	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 19:24	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 19:24	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 19:24	DFM	
Di-n-butylphthalate [84-74-2] ^	**1.1**	J	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 19:24	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	03/31/09 19:24	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 19:24	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	03/31/09 19:24	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 19:24	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 19:24	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	03/31/09 19:24	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	03/31/09 19:24	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	03/31/09 19:24	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	03/31/09 19:24	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 19:24	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 19:24	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	03/31/09 19:24	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 19:24	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	03/31/09 19:24	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	03/31/09 19:24	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 19:24	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	03/31/09 19:24	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 19:24	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	

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Description:	4501-Field Blank	**Lab Sample ID:**	C903307-14	**Received:**	03/25/09 10:00
Matrix:	Water	**Sampled:**	03/24/09 15:35	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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 8270C	03/31/09 19:24	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 19:24	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 19:24	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	03/31/09 19:24	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	03/31/09 19:24	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	03/31/09 19:24	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	03/31/09 19:24	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	03/31/09 19:24	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	03/31/09 19:24	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	03/31/09 19:24	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	03/31/09 19:24	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*80*	*1*	*100*	*80 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/31/09 19:24*	*DFM*	
2-Fluorobiphenyl	*31*	*1*	*50.0*	*62 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/31/09 19:24*	*DFM*	
2-Fluorophenol	*43*	*1*	*100*	*43 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/31/09 19:24*	*DFM*	
Nitrobenzene-d5	*30*	*1*	*50.0*	*61 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/31/09 19:24*	*DFM*	
Phenol-d5	*38*	*1*	*100*	*38 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/31/09 19:24*	*DFM*	
Terphenyl-d14	*34*	*1*	*50.0*	*67 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/31/09 19:24*	*DFM*	

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Description:	4501-Field Blank	**Lab Sample ID:**	C903307-14	**Received:**	03/25/09 10:00
Matrix:	Water	**Sampled:**	03/24/09 15:35	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081A	03/30/09 13:20	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081A	03/30/09 13:20	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 13:20	JHH	
Aldrin [309-00-2] ^	0.021	U	ug/L	1	0.021	0.050	0.05	EPA 8081A	03/30/09 13:20	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 13:20	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081A	03/30/09 13:20	JHH	
Chlordane (n.o.s.) [57-74-9]	0.020	U	ug/L	1	0.020	1.0		EPA 8081A	03/30/09 13:20	JHH	
Chlordane (tech) [12789-03-6] ^	0.020	U	ug/L	1	0.020	0.50	0.5	EPA 8081A	03/30/09 13:20	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081A	03/30/09 13:20	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081A	03/30/09 13:20	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081A	03/30/09 13:20	JHH	
Dieldrin [60-57-1] ^	0.023	U	ug/L	1	0.023	0.050	0.075	EPA 8081A	03/30/09 13:20	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 13:20	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 13:20	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081A	03/30/09 13:20	JHH	
Endrin [72-20-8] ^	0.026	U	ug/L	1	0.026	0.050	0.1	EPA 8081A	03/30/09 13:20	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081A	03/30/09 13:20	JHH	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081A	03/30/09 13:20	JHH	
Heptachlor [76-44-8] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081A	03/30/09 13:20	JHH	
Heptachlor epoxide [1024-57-3] ^	0.025	U	ug/L	1	0.025	0.050	0.075	EPA 8081A	03/30/09 13:20	JHH	
Methoxychlor [72-43-5] ^	0.026	U	ug/L	1	0.026	0.050	1	EPA 8081A	03/30/09 13:20	JHH	
Toxaphene [8001-35-2] ^	0.67	U	ug/L	1	0.67	1.0	1.5	EPA 8081A	03/30/09 13:20	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.2*	*1*	*1.00*	*115 %*	*39-151*	*9C27016*	*EPA 8081A*	*03/30/09 13:20*	*JHH*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*118 %*	*55-118*	*9C27016*	*EPA 8081A*	*03/30/09 13:20*	*JHH*	

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Description:	4501-Field Blank	**Lab Sample ID:**	C903307-14	**Received:**	03/25/09 10:00
Matrix:	Water	**Sampled:**	03/24/09 15:35	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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] ^	0.43	U	ug/L	1	0.43	0.50	2	EPA 8082	03/30/09 13:20	JHH	
PCB-1221 [11104-28-2] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 13:20	JHH	
PCB-1232 [11141-16-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 13:20	JHH	
PCB-1248 [12672-29-6] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 13:20	JHH	
PCB-1254 [11097-69-1] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 13:20	JHH	
PCB-1260 [11096-82-5] ^	0.43	U	ug/L	1	0.43	0.50	NE	EPA 8082	03/30/09 13:20	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.2*	*1*	*1.00*	*115 %*	*39-151*	*9C27016*	*EPA 8082*	*03/30/09 13:20*	*JHH*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*118 %*	*55-118*	*9C27016*	*EPA 8082*	*03/30/09 13:20*	*JHH*	

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

Lab Sample ID: C903307-14
Sampled: 03/24/09 15:35
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 12:14	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/30/09 15:00	JDH	
Barium [7440-39-3] ^	4.20	U	ug/L	1	4.20	10.0	100	EPA 6010B	03/30/09 15:00	JDH	
Beryllium [7440-41-7] ^	0.08	U	ug/L	1	0.08	1.00	1	EPA 6010B	03/30/09 15:00	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	1	EPA 6010B	03/30/09 15:00	JDH	
Chromium [7440-47-3] ^	0.7	U	ug/L	1	0.7	10.0	10	EPA 6010B	03/30/09 15:00	JDH	
Cobalt [7440-48-4] ^	0.6	U	ug/L	1	0.6	10.0	10	EPA 6010B	03/30/09 15:00	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/30/09 15:00	JDH	
Iron [7439-89-6] ^	31	U	ug/L	1	31	50	300	EPA 6010B	03/30/09 15:00	JDH	
Lead [7439-92-1] ^	1.6	U	ug/L	1	1.6	10.0	10	EPA 6010B	03/30/09 15:00	JDH	
Manganese [7439-96-5] ^	1.1	U	ug/L	1	1.1	10.0	50	EPA 6010B	03/30/09 15:00	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 14:35	NLH	
Nickel [7440-02-0] ^	0.6	U	ug/L	1	0.6	10.0	50	EPA 6010B	03/30/09 15:00	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 15:00	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/30/09 15:00	JDH	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 12:14	VLO	
Tin [7440-31-5] ^	1.1	U	ug/L	1	1.1	10.0	100	EPA 6010B	03/30/09 15:00	JDH	
Vanadium [7440-62-2] ^	0.7	U	ug/L	1	0.7	10.0	25	EPA 6010B	03/30/09 15:00	JDH	
Zinc [7440-66-6] ^	**3.4**	J	ug/L	1	3.4	10.0	10	EPA 6010B	03/30/09 15:00	JDH	

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Description:	4501-Field Blank	**Lab Sample ID:**	C903307-14	**Received:**	03/25/09 10:00
Matrix:	Water	**Sampled:**	03/24/09 15:35	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Cyanide (total) [57-12-5] ^	0.0040	U	mg/L	1	0.0040	0.0050	10	EPA 335.4	03/30/09 08:17	PEV	
Sulfide [18496-25-8] ^	0.10	U	mg/L	1	0.10	0.10	1	SM18 4500-S D	03/30/09 15:50	GPW	

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Description:	4501-Field Blank	**Lab Sample ID:**	C903307-14	**Received:**	03/25/09 10:00
Matrix:	Water	**Sampled:**	03/24/09 15:35	**Work Order:**	C903307
Project:	Henderson Co. LF	**Sampled By:**	Ryan Stringfellow		

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	04/01/09 08:26	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	04/01/09 08:26	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	04/01/09 08:26	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	04/01/09 08:26	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	04/01/09 08:26	RGG	QV-01

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.9*	*1*	*2.00*	*96 %*	*68-139*	*9C26030*	*EPA 8151A*	*04/01/09 08:26*	*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: C903307-15
Sampled: 03/24/09 09:08
Sampled By: ENCO

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 12:31	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 12:31	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 12:31	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 12:31	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	03/27/09 12:31	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	03/27/09 12:31	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 12:31	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 12:31	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	03/27/09 12:31	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	03/27/09 12:31	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 12:31	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 12:31	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/09 12:31	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 12:31	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 12:31	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/27/09 12:31	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/27/09 12:31	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 12:31	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 12:31	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 12:31	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 12:31	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 12:31	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 12:31	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 12:31	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 12:31	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/27/09 12:31	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 12:31	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 12:31	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 12:31	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	03/27/09 12:31	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	2.0	10	EPA 8260B	03/27/09 12:31	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 12:31	JKG	

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

Lab Sample ID: C903307-15
Sampled: 03/24/09 09:08
Sampled By: ENCO

Received: 03/25/09 10:00
Work Order: C903307

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	03/27/09 12:31	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/27/09 12:31	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/27/09 12:31	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 12:31	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	03/27/09 12:31	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/27/09 12:31	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 12:31	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 12:31	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 12:31	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 12:31	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 12:31	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 12:31*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 12:31*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 12:31*	*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-MW10
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C903307-16
Sampled: 03/24/09 11:45
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 17:34	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 17:34	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 17:34	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 17:34	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 17:34	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 17:34	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 17:34	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 17:34	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 17:34	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 17:34	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 17:34	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 17:34	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 17:34	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 17:34	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 17:34	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 17:34	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 17:34	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 17:34	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 17:34	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 17:34	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 17:34	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 17:34	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 17:34	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 17:34	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 17:34	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 17:34	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 17:34	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 17:34	JKG	

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Description:	4501-MW10	**Lab Sample ID:**	C903307-16	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 11:45	**Work Order:**	C903307
Project:	Henderson Co. LF	**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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 17:34	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 17:34*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 17:34*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 17:34*	*JKG*	

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

Lab Sample ID: C903307-16
Sampled: 03/24/09 11:45
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 13:02	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/26/09 12:05	JDH	
Barium [7440-39-3] ^	**15.8**	J	ug/L	1	4.20	10.0	100	EPA 6010B	03/26/09 12:05	JDH	
Beryllium [7440-41-7] ^	**0.32**	J	ug/L	1	0.08	1.00	1	EPA 6010B	03/26/09 12:05	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	1	EPA 6010B	03/26/09 12:05	JDH	
Chromium [7440-47-3] ^	**1.0**	J	ug/L	1	0.7	10.0	10	EPA 6010B	03/26/09 12:05	JDH	
Cobalt [7440-48-4] ^	**0.8**	J	ug/L	1	0.6	10.0	10	EPA 6010B	03/26/09 12:05	JDH	
Copper [7440-50-8] ^	**3.42**	J	ug/L	1	0.81	10.0	10	EPA 6010B	03/26/09 12:05	JDH	
Iron [7439-89-6] ^	**2750**		ug/L	1	31	50	300	EPA 6010B	03/26/09 12:05	JDH	
Lead [7439-92-1] ^	**4.4**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/26/09 12:05	JDH	
Manganese [7439-96-5] ^	**60.9**		ug/L	1	1.1	10.0	50	EPA 6010B	03/26/09 12:05	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 15:50	NLH	
Nickel [7440-02-0] ^	**0.7**	J	ug/L	1	0.6	10.0	50	EPA 6010B	03/26/09 12:05	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 12:05	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/26/09 12:05	JDH	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 13:02	VLO	
Vanadium [7440-62-2] ^	**4.9**	J	ug/L	1	0.7	10.0	25	EPA 6010B	03/26/09 12:05	JDH	
Zinc [7440-66-6] ^	**8.0**	J	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 12:05	JDH	

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

Lab Sample ID: C903307-16
Sampled: 03/24/09 11:45
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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] ^	1.9	U	mg/L	1	1.9	5.0	NE	SM4500-Cl/E	03/26/09 10:22	AJB	
Sulfate as SO4 [14808-79-8] ^	**1.5**	J	mg/L	1	0.078	5.0	250	EPA 300.0	03/30/09 01:41	PEV	
Total Alkalinity [471-34-1] ^	**17**		mg/L	1	8.3	15	NE	EPA 310.2	03/26/09 11:54	AJB	
Total Dissolved Solids [ECL-0156] ^	**86**		mg/L	1	10	10	NE	SM 2540C	03/30/09 11:45	JOC	

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Description: 4501-MW11 (MS/MSD)
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C903307-17
Sampled: 03/24/09 10:30
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

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

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Description:	4501-MW11 (MS/MSD)	**Lab Sample ID:**	C903307-17	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 10:30	**Work Order:**	C903307
Project:	Henderson Co. LF	**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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 18:03	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 18:03*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 18:03*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 18:03*	*JKG*	

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Description:	4501-MW11 (MS/MSD)	**Lab Sample ID:**	C903307-17	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 10:30	**Work Order:**	C903307
Project:	Henderson Co. LF	**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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 12:24	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/26/09 11:43	JDH	
Barium [7440-39-3] ^	**61.2**	J	ug/L	1	4.20	10.0	100	EPA 6010B	03/26/09 11:43	JDH	
Beryllium [7440-41-7] ^	**1.19**		ug/L	1	0.08	1.00	1	EPA 6010B	03/26/09 11:43	JDH	
Cadmium [7440-43-9] ^	**0.27**	J	ug/L	1	0.09	1.00	1	EPA 6010B	03/26/09 11:43	JDH	
Chromium [7440-47-3] ^	0.7	U	ug/L	1	0.7	10.0	10	EPA 6010B	03/26/09 11:43	JDH	
Cobalt [7440-48-4] ^	0.6	U	ug/L	1	0.6	10.0	10	EPA 6010B	03/26/09 11:43	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/26/09 11:43	JDH	
Iron [7439-89-6] ^	**1400**		ug/L	1	31	50	300	EPA 6010B	03/26/09 11:43	JDH	
Lead [7439-92-1] ^	**3.7**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/26/09 11:43	JDH	
Manganese [7439-96-5] ^	**165**		ug/L	1	1.1	10.0	50	EPA 6010B	03/26/09 11:43	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 14:47	NLH	
Nickel [7440-02-0] ^	0.6	U	ug/L	1	0.6	10.0	50	EPA 6010B	03/26/09 11:43	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 11:43	JDH	
Silver [7440-22-4] ^	**1.2**	J	ug/L	1	1.0	10.0	10	EPA 6010B	03/26/09 11:43	JDH	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 12:24	VLO	
Vanadium [7440-62-2] ^	**1.0**	J	ug/L	1	0.7	10.0	25	EPA 6010B	03/26/09 11:43	JDH	
Zinc [7440-66-6] ^	**9.0**	J	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 11:43	JDH	

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] ^	**8.8**		mg/L	1	1.9	5.0	NE	SM4500-Cl/E	03/30/09 17:35	AJB	
Sulfate as SO4 [14808-79-8] ^	**150**	JD	mg/L	2	0.16	10	250	EPA 300.0	03/30/09 12:21	PEV	
Total Alkalinity [471-34-1] ^	**18**		mg/L	1	8.3	15	NE	EPA 310.2	03/26/09 11:48	AJB	
Total Dissolved Solids [ECL-0156] ^	**310**		mg/L	1	10	10	NE	SM 2540C	03/30/09 11:45	JOC	

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

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

Lab Sample ID: C903307-18
Sampled: 03/24/09 10:47
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 18:34	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 18:34	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.82**	J	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 18:34	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 18:34	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 18:34	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 18:34	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 18:34	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 18:34	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 18:34	JKG	
Acetone [67-64-1] ^	**3.8**	J	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 18:34	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 18:34	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 18:34	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 18:34	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 18:34	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 18:34	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 18:34	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 18:34	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 18:34	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 18:34	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 18:34	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 18:34	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 18:34	JKG	
Methylene chloride [75-09-2] ^	**0.53**	J	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 18:34	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
Tetrachloroethene [127-18-4] ^	**1.3**		ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 18:34	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 18:34	JKG	
Trichloroethene [79-01-6] ^	**0.44**	J	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
Trichlorofluoromethane [75-69-4] ^	**4.3**		ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 18:34	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 18:34	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 18:34	JKG	

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Description:	4501-MW12	**Lab Sample ID:**	C903307-18	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 10:47	**Work Order:**	C903307
Project:	Henderson Co. LF	**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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 18:34	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 18:34*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 18:34*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 18:34*	*JKG*	

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

Lab Sample ID: C903307-18
Sampled: 03/24/09 10:47
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 13:06	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/26/09 12:14	JDH	
Barium [7440-39-3] ^	**25.9**	J	ug/L	1	4.20	10.0	100	EPA 6010B	03/26/09 12:14	JDH	
Beryllium [7440-41-7] ^	**0.46**	J	ug/L	1	0.08	1.00	1	EPA 6010B	03/26/09 12:14	JDH	
Cadmium [7440-43-9] ^	**0.14**	J	ug/L	1	0.09	1.00	1	EPA 6010B	03/26/09 12:14	JDH	
Chromium [7440-47-3] ^	**1.2**	J	ug/L	1	0.7	10.0	10	EPA 6010B	03/26/09 12:14	JDH	
Cobalt [7440-48-4] ^	**1.1**	J	ug/L	1	0.6	10.0	10	EPA 6010B	03/26/09 12:14	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/26/09 12:14	JDH	
Iron [7439-89-6] ^	**4810**		ug/L	1	31	50	300	EPA 6010B	03/26/09 12:14	JDH	
Lead [7439-92-1] ^	**3.1**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/26/09 12:14	JDH	
Manganese [7439-96-5] ^	**155**		ug/L	1	1.1	10.0	50	EPA 6010B	03/26/09 12:14	JDH	
Mercury [7439-97-6] ^	**0.54**		ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 15:53	NLH	
Nickel [7440-02-0] ^	**1.1**	J	ug/L	1	0.6	10.0	50	EPA 6010B	03/26/09 12:14	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 12:14	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/26/09 12:14	JDH	
Thallium [7440-28-0] ^	**0.061**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 13:06	VLO	
Vanadium [7440-62-2] ^	**6.5**	J	ug/L	1	0.7	10.0	25	EPA 6010B	03/26/09 12:14	JDH	
Zinc [7440-66-6] ^	**17.9**		ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 12:14	JDH	

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Description:	4501-MW12	**Lab Sample ID:**	C903307-18	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 10:47	**Work Order:**	C903307
Project:	Henderson Co. LF	**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] ^	**4.1**	J	mg/L	1	1.9	5.0	NE	SM4500-Cl/E	03/26/09 10:23	AJB	
Sulfate as SO4 [14808-79-8] ^	**18**	J	mg/L	1	0.078	5.0	250	EPA 300.0	03/30/09 04:21	PEV	
Total Alkalinity [471-34-1] ^	**80**		mg/L	1	8.3	15	NE	EPA 310.2	03/26/09 11:57	AJB	
Total Dissolved Solids [ECL-0156] ^	**190**		mg/L	1	10	10	NE	SM 2540C	03/30/09 11:45	JOC	

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

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

Lab Sample ID: C903307-19
Sampled: 03/24/09 11:04
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 19:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	03/27/09 19:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	03/27/09 19:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	03/27/09 19:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/09 19:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	03/27/09 19:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/09 19:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/09 19:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/09 19:04	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/09 19:04	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	5.0	200	EPA 8260B	03/27/09 19:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	03/27/09 19:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	03/27/09 19:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	03/27/09 19:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/09 19:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/27/09 19:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	03/27/09 19:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	03/27/09 19:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	03/27/09 19:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	03/27/09 19:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	03/27/09 19:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	03/27/09 19:04	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	1	EPA 8260B	03/27/09 19:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	03/27/09 19:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/09 19:04	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
Trichlorofluoromethane [75-69-4] ^	**1.5**		ug/L	1	0.28	1.0	1	EPA 8260B	03/27/09 19:04	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	2.0	50	EPA 8260B	03/27/09 19:04	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	03/27/09 19:04	JKG	

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Description:	4501-MW13	**Lab Sample ID:**	C903307-19	**Received:**	03/25/09 10:00
Matrix:	Ground Water	**Sampled:**	03/24/09 11:04	**Work Order:**	C903307
Project:	Henderson Co. LF	**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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	03/27/09 19:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*51-122*	*9C27003*	*EPA 8260B*	*03/27/09 19:04*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*9C27003*	*EPA 8260B*	*03/27/09 19:04*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*69-110*	*9C27003*	*EPA 8260B*	*03/27/09 19:04*	*JKG*	

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

Lab Sample ID: C903307-19
Sampled: 03/24/09 11:04
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	03/27/09 13:09	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	03/26/09 12:16	JDH	
Barium [7440-39-3] ^	**19.8**	J	ug/L	1	4.20	10.0	100	EPA 6010B	03/26/09 12:16	JDH	
Beryllium [7440-41-7] ^	**0.09**	J	ug/L	1	0.08	1.00	1	EPA 6010B	03/26/09 12:16	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	1	EPA 6010B	03/26/09 12:16	JDH	
Chromium [7440-47-3] ^	**3.0**	J	ug/L	1	0.7	10.0	10	EPA 6010B	03/26/09 12:16	JDH	
Cobalt [7440-48-4] ^	0.6	U	ug/L	1	0.6	10.0	10	EPA 6010B	03/26/09 12:16	JDH	
Copper [7440-50-8] ^	0.81	U	ug/L	1	0.81	10.0	10	EPA 6010B	03/26/09 12:16	JDH	
Iron [7439-89-6] ^	**1670**		ug/L	1	31	50	300	EPA 6010B	03/26/09 12:16	JDH	
Lead [7439-92-1] ^	**3.9**	J	ug/L	1	1.6	10.0	10	EPA 6010B	03/26/09 12:16	JDH	
Manganese [7439-96-5] ^	**59.1**		ug/L	1	1.1	10.0	50	EPA 6010B	03/26/09 12:16	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	03/26/09 15:56	NLH	
Nickel [7440-02-0] ^	**1.0**	J	ug/L	1	0.6	10.0	50	EPA 6010B	03/26/09 12:16	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 12:16	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	03/26/09 12:16	JDH	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	03/27/09 13:09	VLO	
Vanadium [7440-62-2] ^	**3.3**	J	ug/L	1	0.7	10.0	25	EPA 6010B	03/26/09 12:16	JDH	
Zinc [7440-66-6] ^	**7.2**	J	ug/L	1	3.4	10.0	10	EPA 6010B	03/26/09 12:16	JDH	

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

Lab Sample ID: C903307-19
Sampled: 03/24/09 11:04
Sampled By: Ryan Stringfellow

Received: 03/25/09 10:00
Work Order: C903307

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] ^	1.9	U	mg/L	1	1.9	5.0	NE	SM4500-Cl/E	03/26/09 10:24	AJB	
Sulfate as SO4 [14808-79-8] ^	**3.0**	J	mg/L	1	0.078	5.0	250	EPA 300.0	03/30/09 04:48	PEV	
Total Alkalinity [471-34-1] ^	**65**		mg/L	1	8.3	15	NE	EPA 310.2	03/26/09 11:58	AJB	
Total Dissolved Solids [ECL-0156] ^	**140**		mg/L	1	10	10	NE	SM 2540C	03/30/09 11:45	JOC	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9C26015 - EPA 5030B_MS

Blank (9C26015-BLK1) Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 10:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	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	5.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
Chloroprene	0.24	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethyl Methacrylate	0.32	U	2.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Iodomethane	0.52	U	2.0	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 9C26015 - EPA 5030B_MS

Blank (9C26015-BLK1) Continued Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 10:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.53	U	2.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
Propionitrile	4.8	U	10	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	2.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*69-110*			

LCS (9C26015-BS1) Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 11:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		106	75-133			
Benzene	21		1.0	ug/L	20.0		106	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		90	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			
Trichloroethene	18		1.0	ug/L	20.0		90	75-115			

Matrix Spike (9C26015-MS1) Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 11:35

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0	0.24 U	131	75-133			
Benzene	26		1.0	ug/L	20.0	0.64	125	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.27 U	104	83-117			
Toluene	21		1.0	ug/L	20.0	0.27 U	107	71-118			
Trichloroethene	24		1.0	ug/L	20.0	3.1	102	75-115			

Matrix Spike Dup (9C26015-MSD1) Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 12:05

Source: C903307-04

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	0.24 U	116	75-133	12	20	
Benzene	24		1.0	ug/L	20.0	0.64	119	81-134	5	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	96	83-117	8	16	
Toluene	21		1.0	ug/L	20.0	0.27 U	103	71-118	4	17	
Trichloroethene	22		1.0	ug/L	20.0	3.1	95	75-115	6	18	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9C27003 - EPA 5030B_MS

Blank (9C27003-BLK1) Prepared: 03/27/2009 07:57 Analyzed: 03/27/2009 10:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	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	5.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
Chloroprene	0.24	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethyl Methacrylate	0.32	U	2.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Iodomethane	0.52	U	2.0	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 9C27003 - EPA 5030B_MS

Blank (9C27003-BLK1) Continued Prepared: 03/27/2009 07:57 Analyzed: 03/27/2009 10:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.53	U	2.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
Propionitrile	4.8	U	10	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	2.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*90*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*69-110*			

LCS (9C27003-BS1) Prepared: 03/27/2009 07:57 Analyzed: 03/27/2009 10:30

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		109	75-133			
Benzene	20		1.0	ug/L	20.0		102	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		88	83-117			
Toluene	19		1.0	ug/L	20.0		93	71-118			
Trichloroethene	19		1.0	ug/L	20.0		93	75-115			

Matrix Spike (9C27003-MS1) Prepared: 03/27/2009 07:57 Analyzed: 03/27/2009 11:00

Source: C903595-13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.24 U	106	75-133			
Benzene	20		1.0	ug/L	20.0	0.20 U	98	81-134			
Chlorobenzene	17		1.0	ug/L	20.0	0.27 U	87	83-117			
Toluene	18		1.0	ug/L	20.0	0.27 U	89	71-118			
Trichloroethene	18		1.0	ug/L	20.0	0.38 U	89	75-115			

Matrix Spike Dup (9C27003-MSD1) Prepared: 03/27/2009 07:57 Analyzed: 03/27/2009 11:31

Source: C903595-13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.24 U	100	75-133	7	20	
Benzene	19		1.0	ug/L	20.0	0.20 U	97	81-134	1	17	
Chlorobenzene	17		1.0	ug/L	20.0	0.27 U	86	83-117	1	16	
Toluene	18		1.0	ug/L	20.0	0.27 U	88	71-118	2	17	
Trichloroethene	18		1.0	ug/L	20.0	0.38 U	88	75-115	2	18	

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9C26005 - EPA 3510C_MS

Blank (9C26005-BLK1) Prepared: 03/26/2009 08:39 Analyzed: 03/31/2009 12:56

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	1.4	U	10	ug/L							
2,4-Dichlorophenol	1.6	U	10	ug/L							
2,4-Dimethylphenol	3.0	U	10	ug/L							
2,4-Dinitrophenol	1.7	U	10	ug/L							
2,4-Dinitrotoluene	1.2	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	1.6	U	10	ug/L							
2-Chlorophenol	2.0	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	1.4	U	10	ug/L							
2-Methylnaphthalene	2.0	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	1.8	U	10	ug/L							
3 & 4-Methylphenol	1.9	U	20	ug/L							
3,3'-Dichlorobenzidine	1.8	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	1.2	U	10	ug/L							
4-Chloro-3-methylphenol	1.4	U	10	ug/L							
4-Chloroaniline	1.6	U	10	ug/L							
4-Chlorophenyl-phenylether	1.2	U	10	ug/L							
4-Nitroaniline	1.4	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	2.0	U	10	ug/L							
Acenaphthylene	2.0	U	10	ug/L							
Acetophenone	2.0	U	10	ug/L							
Anthracene	2.0	U	10	ug/L							
Benzo(a)anthracene	2.0	U	10	ug/L							
Benzo(a)pyrene	2.0	U	10	ug/L							
Benzo(b)fluoranthene	2.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.0	U	10	ug/L							
Benzo(k)fluoranthene	2.0	U	10	ug/L							
Benzyl alcohol	1.0	U	10	ug/L							
Bis(2-chloroethoxy)methane	2.0	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9C26005 - EPA 3510C_MS

Blank (9C26005-BLK1) Continued Prepared: 03/26/2009 08:39 Analyzed: 03/31/2009 12:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bis(2-chloroethyl)ether	2.1	U	10	ug/L							
Bis(2-chloroisopropyl)ether	2.2	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.9	U	5.0	ug/L							
Butylbenzylphthalate	1.4	U	10	ug/L							
Chlorobenzilate	1.1	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Diallate	1.3	U	10	ug/L							
Dibenzo(a,h)anthracene	2.0	U	10	ug/L							
Dibenzofuran	1.3	U	10	ug/L							
Diethylphthalate	1.3	U	10	ug/L							
Dimethoate	1.0	U	10	ug/L							
Dimethylphthalate	1.1	U	10	ug/L							
Di-n-butylphthalate	1.0	U	10	ug/L							
Di-n-octylphthalate	2.0	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	2.0	U	10	ug/L							
Fluorene	2.0	U	10	ug/L							
Hexachlorobenzene	1.1	U	10	ug/L							
Hexachlorobutadiene	2.0	U	10	ug/L							
Hexachlorocyclopentadiene	2.0	U	10	ug/L							
Hexachloroethane	2.4	U	10	ug/L							
Hexachloropropene	1.1	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.0	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.8	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	1.9	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.0	U	10	ug/L							
N-Nitroso-di-n-propylamine	2.1	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	2.0	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9C26005 - EPA 3510C_MS

Blank (9C26005-BLK1) Continued Prepared: 03/26/2009 08:39 Analyzed: 03/31/2009 12:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenol	1.5	U	10	ug/L							
Phorate	4.1	U	10	ug/L							
Pronamide	1.0	U	10	ug/L							
Pyrene	2.0	U	10	ug/L							
Safrole	1.9	U	10	ug/L							
Thionazin	1.2	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*82*			*ug/L*	*100*		*82*	*18-157*			
Surrogate: 2-Fluorobiphenyl	*37*			*ug/L*	*50.0*		*74*	*15-139*			
Surrogate: 2-Fluorophenol	*51*			*ug/L*	*100*		*51*	*10-104*			
Surrogate: Nitrobenzene-d5	*35*			*ug/L*	*50.0*		*71*	*16-140*			
Surrogate: Phenol-d5	*42*			*ug/L*	*100*		*42*	*10-83*			
Surrogate: Terphenyl-d14	*35*			*ug/L*	*50.0*		*71*	*23-164*			

LCS (9C26005-BS1) Prepared: 03/26/2009 08:39 Analyzed: 03/31/2009 13:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	40		10	ug/L	50.0		80	74-125			
2-Chlorophenol	30		10	ug/L	50.0		60	47-109			
4-Chloro-3-methylphenol	40		10	ug/L	50.0		80	64-120			
4-Nitrophenol	26		10	ug/L	50.0		52	37-88			
Acenaphthene	34		10	ug/L	50.0		67	51-118			
N-Nitroso-di-n-propylamine	29		10	ug/L	50.0		59	53-133			
Phenanthrene	39		10	ug/L	50.0		79	68-123			
Phenol	19		10	ug/L	50.0		38	23-75			
Surrogate: 2,4,6-Tribromophenol	*89*			*ug/L*	*100*		*89*	*18-157*			
Surrogate: 2-Fluorobiphenyl	*34*			*ug/L*	*50.0*		*69*	*15-139*			
Surrogate: 2-Fluorophenol	*43*			*ug/L*	*100*		*43*	*10-104*			
Surrogate: Nitrobenzene-d5	*31*			*ug/L*	*50.0*		*62*	*16-140*			
Surrogate: Phenol-d5	*36*			*ug/L*	*100*		*36*	*10-83*			
Surrogate: Terphenyl-d14	*37*			*ug/L*	*50.0*		*75*	*23-164*			

Matrix Spike (9C26005-MS1) Prepared: 03/26/2009 08:39 Analyzed: 03/31/2009 14:25

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	38		10	ug/L	50.0	1.2 U	76	74-125			
2-Chlorophenol	37		10	ug/L	50.0	2.0 U	74	47-109			
4-Chloro-3-methylphenol	44		10	ug/L	50.0	1.4 U	88	64-120			
4-Nitrophenol	29		10	ug/L	50.0	1.2 U	59	37-88			
Acenaphthene	38		10	ug/L	50.0	2.0 U	75	51-118			
N-Nitroso-di-n-propylamine	28		10	ug/L	50.0	2.1 U	56	53-133			
Phenol	24		10	ug/L	50.0	1.5 U	48	23-75			
Pyrene	36		10	ug/L	50.0	2.0 U	71	73-129			QM-07
Surrogate: 2,4,6-Tribromophenol	*92*			*ug/L*	*100*		*92*	*18-157*			
Surrogate: 2-Fluorobiphenyl	*40*			*ug/L*	*50.0*		*79*	*15-139*			
Surrogate: 2-Fluorophenol	*53*			*ug/L*	*100*		*53*	*10-104*			
Surrogate: Nitrobenzene-d5	*37*			*ug/L*	*50.0*		*73*	*16-140*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9C26005 - EPA 3510C_MS

Matrix Spike (9C26005-MS1) Continued Prepared: 03/26/2009 08:39 Analyzed: 03/31/2009 14:25

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Phenol-d5	*45*			*ug/L*	*100*		*45*	*10-83*			
Surrogate: Terphenyl-d14	*35*			*ug/L*	*50.0*		*69*	*23-164*			

Matrix Spike Dup (9C26005-MSD1) Prepared: 03/26/2009 08:39 Analyzed: 03/31/2009 14:55

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	38		10	ug/L	50.0	1.2 U	76	74-125	0.4	11	
2-Chlorophenol	38		10	ug/L	50.0	2.0 U	76	47-109	4	24	
4-Chloro-3-methylphenol	43		10	ug/L	50.0	1.4 U	86	64-120	2	11	
4-Nitrophenol	29		10	ug/L	50.0	1.2 U	59	37-88	0.03	21	
Acenaphthene	37		10	ug/L	50.0	2.0 U	73	51-118	3	13	
N-Nitroso-di-n-propylamine	29		10	ug/L	50.0	2.1 U	58	53-133	4	35	
Phenol	24		10	ug/L	50.0	1.5 U	48	23-75	0.9	29	
Pyrene	35		10	ug/L	50.0	2.0 U	71	73-129	0.6	15	QM-07
Surrogate: 2,4,6-Tribromophenol	*92*			*ug/L*	*100*		*92*	*18-157*			
Surrogate: 2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*78*	*15-139*			
Surrogate: 2-Fluorophenol	*53*			*ug/L*	*100*		*53*	*10-104*			
Surrogate: Nitrobenzene-d5	*38*			*ug/L*	*50.0*		*75*	*16-140*			
Surrogate: Phenol-d5	*44*			*ug/L*	*100*		*44*	*10-83*			
Surrogate: Terphenyl-d14	*34*			*ug/L*	*50.0*		*68*	*23-164*			

Organochlorine Pesticides by GC - Quality Control

Batch 9C27016 - EPA 3510C

Blank (9C27016-BLK1) Prepared: 03/27/2009 12:54 Analyzed: 03/30/2009 09:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.024	U	0.050	ug/L							
4,4'-DDE	0.023	U	0.050	ug/L							
4,4'-DDT	0.025	U	0.050	ug/L							
Aldrin	0.021	U	0.050	ug/L							
alpha-BHC	0.024	U	0.050	ug/L							
beta-BHC	0.028	U	0.050	ug/L							
Chlordane (n.o.s.)	0.020	U	1.0	ug/L							
Chlordane (tech)	0.020	U	0.50	ug/L							
Chlordane-alpha	0.025	U	0.050	ug/L							
Chlordane-gamma	0.026	U	0.050	ug/L							
delta-BHC	0.013	U	0.050	ug/L							
Dieldrin	0.023	U	0.050	ug/L							
Endosulfan I	0.025	U	0.050	ug/L							
Endosulfan II	0.025	U	0.050	ug/L							
Endosulfan sulfate	0.025	U	0.050	ug/L							
Endrin	0.026	U	0.050	ug/L							
Endrin aldehyde	0.037	U	0.050	ug/L							
gamma-BHC	0.022	U	0.050	ug/L							

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 9C27016 - EPA 3510C

Blank (9C27016-BLK1) Continued Prepared: 03/27/2009 12:54 Analyzed: 03/30/2009 09:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Heptachlor	0.024	U	0.050	ug/L							
Heptachlor epoxide	0.025	U	0.050	ug/L							
Methoxychlor	0.026	U	0.050	ug/L							
Toxaphene	0.67	U	1.0	ug/L							
Surrogate: 2,4,5,6-TCMX	*1.1*			*ug/L*	*1.00*		*114*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.46*			*ug/L*	*1.00*		*46*	*55-118*			*QS-03*

LCS (9C27016-BS1) Prepared: 03/27/2009 12:54 Analyzed: 03/30/2009 10:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.89		0.050	ug/L	1.00		89	50-150			
Aldrin	0.84		0.050	ug/L	1.00		84	50-150			
Dieldrin	0.97		0.050	ug/L	1.00		97	50-150			
Endrin	0.94		0.050	ug/L	1.00		94	50-150			
gamma-BHC	0.88		0.050	ug/L	1.00		88	50-150			
Heptachlor	0.80		0.050	ug/L	1.00		80	50-150			
Surrogate: 2,4,5,6-TCMX	*0.99*			*ug/L*	*1.00*		*99*	*39-151*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*102*	*55-118*			

Matrix Spike (9C27016-MS1) Prepared: 03/27/2009 12:54 Analyzed: 03/30/2009 10:16

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.4		0.050	ug/L	1.00	0.025 U	140	53-143			
Aldrin	0.97		0.050	ug/L	1.00	0.021 U	97	41-154			
Dieldrin	1.3		0.050	ug/L	1.00	0.023 U	126	41-154			
Endrin	1.5		0.050	ug/L	1.00	0.026 U	147	38-183			
gamma-BHC	1.3		0.050	ug/L	1.00	0.022 U	130	48-118			QM-07
Heptachlor	1.1		0.050	ug/L	1.00	0.024 U	109	42-163			
Surrogate: 2,4,5,6-TCMX	*1.5*			*ug/L*	*1.00*		*153*	*39-151*			*QS-03*
Surrogate: Decachlorobiphenyl	*0.92*			*ug/L*	*1.00*		*92*	*55-118*			

Matrix Spike Dup (9C27016-MSD1) Prepared: 03/27/2009 12:54 Analyzed: 03/30/2009 10:29

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.2		0.050	ug/L	1.00	0.025 U	120	53-143	15	24	
Aldrin	0.88		0.050	ug/L	1.00	0.021 U	88	41-154	10	22	
Dieldrin	1.1		0.050	ug/L	1.00	0.023 U	110	41-154	14	22	
Endrin	1.3		0.050	ug/L	1.00	0.026 U	127	38-183	14	26	
gamma-BHC	1.1		0.050	ug/L	1.00	0.022 U	114	48-118	13	21	
Heptachlor	0.96		0.050	ug/L	1.00	0.024 U	96	42-163	13	25	
Surrogate: 2,4,5,6-TCMX	*1.4*			*ug/L*	*1.00*		*137*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.88*			*ug/L*	*1.00*		*88*	*55-118*			

Polychlorinated Biphenyls by GC - Quality Control

QUALITY CONTROL

Batch 9C27016 - EPA 3510C

Blank (9C27016-BLK1) Prepared: 03/27/2009 12:54 Analyzed: 03/30/2009 09:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.43	U	0.50	ug/L							
PCB-1221	0.43	U	0.50	ug/L							
PCB-1232	0.43	U	0.50	ug/L							
PCB-1248	0.43	U	0.50	ug/L							
PCB-1254	0.43	U	0.50	ug/L							
PCB-1260	0.43	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*1.1*			*ug/L*	*1.00*		*114*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.46*			*ug/L*	*1.00*		*46*	*55-118*			*QS-03*

LCS (9C27016-BS2) Prepared: 03/27/2009 12:54 Analyzed: 03/30/2009 10:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	9.3		0.50	ug/L	10.0		93	50-150			
PCB-1260	10		0.50	ug/L	10.0		101	50-150			
Surrogate: 2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*120*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.70*			*ug/L*	*1.00*		*70*	*55-118*			

Matrix Spike (9C27016-MS2) Prepared: 03/27/2009 12:54 Analyzed: 03/30/2009 10:55

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	20		0.50	ug/L	10.0	0.43 U	195	43-135			QM-07
PCB-1260	13		0.50	ug/L	10.0	0.43 U	128	46-142			
Surrogate: 2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*120*	*39-151*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*100*	*55-118*			

Matrix Spike Dup (9C27016-MSD2) Prepared: 03/27/2009 12:54 Analyzed: 03/30/2009 11:09

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	23		0.50	ug/L	10.0	0.43 U	230	43-135	16	23	QM-07
PCB-1260	13		0.50	ug/L	10.0	0.43 U	135	46-142	5	31	
Surrogate: 2,4,5,6-TCMX	*1.9*			*ug/L*	*1.00*		*190*	*39-151*			*QS-03*
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*110*	*55-118*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9C25022 - EPA 3005A

Blank (9C25022-BLK1) Prepared: 03/25/2009 14:40 Analyzed: 03/26/2009 11:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.8	U	10.0	ug/L							
Barium	4.20	U	10.0	ug/L							
Beryllium	0.08	U	1.00	ug/L							
Cadmium	0.09	U	1.00	ug/L							
Chromium	0.7	U	10.0	ug/L							
Cobalt	0.6	U	10.0	ug/L							

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9C25022 - EPA 3005A

Blank (9C25022-BLK1) Continued Prepared: 03/25/2009 14:40 Analyzed: 03/26/2009 11:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	0.81	U	10.0	ug/L							
Iron	31	U	50	ug/L							
Lead	1.6	U	10.0	ug/L							
Manganese	1.1	U	10.0	ug/L							
Nickel	0.6	U	10.0	ug/L							
Selenium	3.4	U	10.0	ug/L							
Silver	1.0	U	10.0	ug/L							
Vanadium	0.7	U	10.0	ug/L							
Zinc	3.4	U	10.0	ug/L							

LCS (9C25022-BS1) Prepared: 03/25/2009 14:40 Analyzed: 03/26/2009 11:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	509		10.0	ug/L	500		102	80-120			
Barium	494		10.0	ug/L	500		99	80-120			
Beryllium	258		1.00	ug/L	250		103	80-120			
Cadmium	246		1.00	ug/L	250		99	80-120			
Chromium	497		10.0	ug/L	500		99	80-120			
Cobalt	510		10.0	ug/L	500		102	80-120			
Copper	247		10.0	ug/L	250		99	80-120			
Iron	5030		50	ug/L	5000		101	80-120			
Lead	522		10.0	ug/L	500		104	80-120			
Manganese	247		10.0	ug/L	250		99	80-120			
Nickel	511		10.0	ug/L	500		102	80-120			
Selenium	527		10.0	ug/L	500		105	80-120			
Silver	50.6		10.0	ug/L	50.0		101	80-120			
Vanadium	253		10.0	ug/L	250		101	80-120			
Zinc	512		10.0	ug/L	500		102	80-120			

Matrix Spike (9C25022-MS1) Prepared: 03/25/2009 14:40 Analyzed: 03/26/2009 11:45

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	502		10.0	ug/L	500	2.8 U	100	75-125			
Barium	557		10.0	ug/L	500	61.2	99	75-125			
Beryllium	263		1.00	ug/L	250	1.19	105	75-125			
Cadmium	244		1.00	ug/L	250	0.27	97	75-125			
Chromium	495		10.0	ug/L	500	0.7 U	99	75-125			
Cobalt	507		10.0	ug/L	500	0.6 U	101	75-125			
Copper	243		10.0	ug/L	250	0.81 U	97	75-125			
Iron	6410		50	ug/L	5000	1400	100	75-125			
Lead	505		10.0	ug/L	500	3.7	100	75-125			
Manganese	412		10.0	ug/L	250	165	99	75-125			
Nickel	508		10.0	ug/L	500	0.6 U	102	75-125			
Selenium	517		10.0	ug/L	500	3.4 U	103	75-125			
Silver	51.5		10.0	ug/L	50.0	1.2	101	75-125			
Vanadium	255		10.0	ug/L	250	1.0	102	75-125			
Zinc	513		10.0	ug/L	500	9.0	101	75-125			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9C25022 - EPA 3005A

Matrix Spike Dup (9C25022-MSD1) Prepared: 03/25/2009 14:40 Analyzed: 03/26/2009 11:48

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	510		10.0	ug/L	500	2.8 U	102	75-125	2	25	
Barium	547		10.0	ug/L	500	61.2	97	75-125	2	25	
Beryllium	258		1.00	ug/L	250	1.19	103	75-125	2	25	
Cadmium	239		1.00	ug/L	250	0.27	96	75-125	2	25	
Chromium	487		10.0	ug/L	500	0.7 U	97	75-125	2	25	
Cobalt	512		10.0	ug/L	500	0.6 U	102	75-125	1	25	
Copper	239		10.0	ug/L	250	0.81 U	96	75-125	2	25	
Iron	6570		50	ug/L	5000	1400	104	75-125	2	25	
Lead	513		10.0	ug/L	500	3.7	102	75-125	2	25	
Manganese	409		10.0	ug/L	250	165	98	75-125	0.9	25	
Nickel	499		10.0	ug/L	500	0.6 U	100	75-125	2	25	
Selenium	526		10.0	ug/L	500	3.4 U	105	75-125	2	25	
Silver	50.3		10.0	ug/L	50.0	1.2	98	75-125	2	25	
Vanadium	251		10.0	ug/L	250	1.0	100	75-125	1	25	
Zinc	504		10.0	ug/L	500	9.0	99	75-125	2	25	

Batch 9C25024 - EPA 3005A

Blank (9C25024-BLK1) Prepared: 03/25/2009 14:48 Analyzed: 03/30/2009 14:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.8	U	10.0	ug/L							
Barium	4.20	U	10.0	ug/L							
Beryllium	0.08	U	1.00	ug/L							
Cadmium	0.09	U	1.00	ug/L							
Chromium	0.7	U	10.0	ug/L							
Cobalt	0.6	U	10.0	ug/L							
Copper	0.81	U	10.0	ug/L							
Iron	31	U	50	ug/L							
Lead	1.6	U	10.0	ug/L							
Manganese	1.1	U	10.0	ug/L							
Nickel	0.6	U	10.0	ug/L							
Selenium	3.4	U	10.0	ug/L							
Silver	1.0	U	10.0	ug/L							
Tin	1.1	U	10.0	ug/L							
Vanadium	0.7	U	10.0	ug/L							
Zinc	3.4	U	10.0	ug/L							

LCS (9C25024-BS1) Prepared: 03/25/2009 14:48 Analyzed: 03/30/2009 14:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	519		10.0	ug/L	500		104	80-120			
Barium	523		10.0	ug/L	500		105	80-120			
Beryllium	267		1.00	ug/L	250		107	80-120			
Cadmium	254		1.00	ug/L	250		102	80-120			
Chromium	520		10.0	ug/L	500		104	80-120			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9C25024 - EPA 3005A

LCS (9C25024-BS1) Continued Prepared: 03/25/2009 14:48 Analyzed: 03/30/2009 14:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cobalt	527		10.0	ug/L	500		105	80-120			
Copper	258		10.0	ug/L	250		103	80-120			
Iron	5300		50	ug/L	5000		106	80-120			
Lead	532		10.0	ug/L	500		106	80-120			
Manganese	260		10.0	ug/L	250		104	80-120			
Nickel	531		10.0	ug/L	500		106	80-120			
Selenium	536		10.0	ug/L	500		107	80-120			
Silver	52.4		10.0	ug/L	50.0		105	80-120			
Tin	523		10.0	ug/L	500		105	80-120			
Vanadium	262		10.0	ug/L	250		105	80-120			
Zinc	533		10.0	ug/L	500		107	80-120			

Matrix Spike (9C25024-MS1) Prepared: 03/25/2009 14:48 Analyzed: 03/30/2009 14:25

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	512		10.0	ug/L	500	3.1	102	75-125			
Barium	1030		10.0	ug/L	500	517	103	75-125			
Beryllium	266		1.00	ug/L	250	3.02	105	75-125			
Cadmium	247		1.00	ug/L	250	1.06	98	75-125			
Chromium	511		10.0	ug/L	500	4.0	101	75-125			
Cobalt	519		10.0	ug/L	500	5.8	103	75-125			
Copper	251		10.0	ug/L	250	0.81 U	100	75-125			
Iron	12500		50	ug/L	5000	7790	94	75-125			
Lead	521		10.0	ug/L	500	6.2	103	75-125			
Manganese	2750		10.0	ug/L	250	2530	88	75-125			
Nickel	518		10.0	ug/L	500	2.8	103	75-125			
Selenium	524		10.0	ug/L	500	3.4 U	105	75-125			
Silver	52.4		10.0	ug/L	50.0	1.0 U	105	75-125			
Tin	520		10.0	ug/L	500	5.4	103	75-125			
Vanadium	265		10.0	ug/L	250	9.0	102	75-125			
Zinc	540		10.0	ug/L	500	38.3	100	75-125			

Matrix Spike Dup (9C25024-MSD1) Prepared: 03/25/2009 14:48 Analyzed: 03/30/2009 14:27

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	507		10.0	ug/L	500	3.1	101	75-125	1	25	
Barium	1030		10.0	ug/L	500	517	102	75-125	0.5	25	
Beryllium	267		1.00	ug/L	250	3.02	105	75-125	0.1	25	
Cadmium	247		1.00	ug/L	250	1.06	98	75-125	0.2	25	
Chromium	511		10.0	ug/L	500	4.0	101	75-125	0.01	25	
Cobalt	512		10.0	ug/L	500	5.8	101	75-125	1	25	
Copper	251		10.0	ug/L	250	0.81 U	100	75-125	0.02	25	
Iron	12300		50	ug/L	5000	7790	90	75-125	2	25	
Lead	517		10.0	ug/L	500	6.2	102	75-125	0.8	25	
Manganese	2730		10.0	ug/L	250	2530	83	75-125	0.4	25	
Nickel	519		10.0	ug/L	500	2.8	103	75-125	0.2	25	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9C25024 - EPA 3005A

Matrix Spike Dup (9C25024-MSD1) Continued Prepared: 03/25/2009 14:48 Analyzed: 03/30/2009 14:27

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	524		10.0	ug/L	500	3.4 U	105	75-125	0.05	25	
Silver	51.7		10.0	ug/L	50.0	1.0 U	103	75-125	1	25	
Tin	510		10.0	ug/L	500	5.4	101	75-125	2	25	
Vanadium	265		10.0	ug/L	250	9.0	102	75-125	0.09	25	
Zinc	541		10.0	ug/L	500	38.3	100	75-125	0.2	25	

Batch 9C25025 - EPA 3005A

Blank (9C25025-BLK1) Prepared: 03/25/2009 14:50 Analyzed: 03/27/2009 12:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	0.036	U	1.00	ug/L							

LCS (9C25025-BS1) Prepared: 03/25/2009 14:50 Analyzed: 03/27/2009 12:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.4		2.00	ug/L	25.0		98	85-115			
Thallium	24.6		1.00	ug/L	25.0		98	85-115			

Matrix Spike (9C25025-MS1) Prepared: 03/25/2009 14:50 Analyzed: 03/27/2009 12:28

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	23.8		2.00	ug/L	25.0	0.68 U	95	85-115			
Thallium	24.3		1.00	ug/L	25.0	0.036 U	97	85-115			

Matrix Spike Dup (9C25025-MSD1) Prepared: 03/25/2009 14:50 Analyzed: 03/27/2009 12:38

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.9		2.00	ug/L	25.0	0.68 U	100	85-115	4	20	
Thallium	24.7		1.00	ug/L	25.0	0.036 U	99	85-115	2	20	

Post Spike (9C25025-PS1) Prepared: 03/25/2009 14:50 Analyzed: 03/27/2009 12:42

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.03		0.002	mg/L	0.0250	0.0001	105	75-125			
Thallium	0.027		0.001	mg/L	0.0250	0.00003	106	75-125			

Batch 9C25026 - EPA 3005A

Blank (9C25026-BLK1) Prepared: 03/25/2009 14:51 Analyzed: 03/27/2009 11:16

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

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9C25026 - EPA 3005A

Blank (9C25026-BLK1) Continued Prepared: 03/25/2009 14:51 Analyzed: 03/27/2009 11:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	**0.092**	**J**	1.00	ug/L							

LCS (9C25026-BS1) Prepared: 03/25/2009 14:51 Analyzed: 03/27/2009 11:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.1		2.00	ug/L	25.0		96	85-115			
Thallium	24.1	B	1.00	ug/L	25.0		97	85-115			

Matrix Spike (9C25026-MS1) Prepared: 03/25/2009 14:51 Analyzed: 03/27/2009 11:26

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	19.5		2.00	ug/L	25.0	0.68 U	78	85-115			QM-07
Thallium	23.5	B	1.00	ug/L	25.0	0.242	93	85-115			

Matrix Spike Dup (9C25026-MSD1) Prepared: 03/25/2009 14:51 Analyzed: 03/27/2009 11:30

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	19.4		2.00	ug/L	25.0	0.68 U	78	85-115	0.5	20	QM-07
Thallium	23.7	B	1.00	ug/L	25.0	0.242	94	85-115	0.9	20	

Post Spike (9C25026-PS1) Prepared: 03/25/2009 14:51 Analyzed: 03/27/2009 11:33

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.03		0.002	mg/L	0.0250	0.00003	107	75-125			
Thallium	0.026	B	0.001	mg/L	0.0250	0.0002	103	75-125			

Batch 9C25027 - EPA 245.1

Blank (9C25027-BLK1) Prepared: 03/25/2009 14:55 Analyzed: 03/26/2009 14:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.11	U	0.20	ug/L							

LCS (9C25027-BS1) Prepared: 03/25/2009 14:55 Analyzed: 03/26/2009 14:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.89		0.20	ug/L	5.00		98	85-115			

Matrix Spike (9C25027-MS1) Prepared: 03/25/2009 14:55 Analyzed: 03/26/2009 14:51

Source: C903307-17

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

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9C25027 - EPA 245.1

Matrix Spike (9C25027-MS1) Continued Prepared: 03/25/2009 14:55 Analyzed: 03/26/2009 14:51

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.69		0.20	ug/L	5.00	0.11 U	94	85-115			

Matrix Spike Dup (9C25027-MSD1) Prepared: 03/25/2009 14:55 Analyzed: 03/26/2009 15:00

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.73		0.20	ug/L	5.00	0.11 U	95	85-115	0.8	15	

Post Spike (9C25027-PS1) Prepared: 03/25/2009 14:55 Analyzed: 03/26/2009 15:03

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.19		0.20	ug/L	5.00	0.03	83	75-125			

Batch 9C25028 - EPA 245.1

Blank (9C25028-BLK1) Prepared: 03/25/2009 14:57 Analyzed: 03/26/2009 13:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.11	U	0.20	ug/L							

LCS (9C25028-BS1) Prepared: 03/25/2009 14:57 Analyzed: 03/26/2009 13:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.74		0.20	ug/L	5.00		95	85-115			

Matrix Spike (9C25028-MS1) Prepared: 03/25/2009 14:57 Analyzed: 03/26/2009 13:55

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.48		0.20	ug/L	5.00	1.33	83	85-115			QM-07

Matrix Spike Dup (9C25028-MSD1) Prepared: 03/25/2009 14:57 Analyzed: 03/26/2009 13:58

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.49		0.20	ug/L	5.00	1.33	83	85-115	0.07	15	QM-07

Post Spike (9C25028-PS1) Prepared: 03/25/2009 14:57 Analyzed: 03/26/2009 14:01

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.75		0.20	ug/L	5.00	1.33	68	75-125			QM-08

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9C26002 - NO PREP

Blank (9C26002-BLK1) Prepared: 03/26/2009 08:32 Analyzed: 03/26/2009 10:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	1.9	U	5.0	mg/L							

LCS (9C26002-BS1) Prepared: 03/26/2009 08:32 Analyzed: 03/26/2009 10:17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	97		5.0	mg/L	100		97	80-120			

Matrix Spike (9C26002-MS1) Prepared: 03/26/2009 08:32 Analyzed: 03/26/2009 10:18

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	6.8		5.0	mg/L	100	6.9	NR	80-120			QM-07

Matrix Spike Dup (9C26002-MSD1) Prepared: 03/26/2009 08:32 Analyzed: 03/26/2009 10:18

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	5.6		5.0	mg/L	100	6.9	NR	80-120	19	25	QM-07

Batch 9C26003 - NO PREP

Blank (9C26003-BLK1) Prepared: 03/26/2009 08:35 Analyzed: 03/26/2009 11:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	8.3	U	15	mg/L							

LCS (9C26003-BS1) Prepared: 03/26/2009 08:35 Analyzed: 03/26/2009 11:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	99		15	mg/L	100		99	80-120			

Matrix Spike (9C26003-MS1) Prepared: 03/26/2009 08:35 Analyzed: 03/26/2009 11:49

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	110		15	mg/L	100	18	94	80-120			

Matrix Spike Dup (9C26003-MSD1) Prepared: 03/26/2009 08:35 Analyzed: 03/26/2009 11:50

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	120		15	mg/L	100	18	100	80-120	5	25	

Batch 9C26006 - NO PREP

Blank (9C26006-BLK1) Prepared: 03/26/2009 15:45 Analyzed: 03/30/2009 11:45

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9C26006 - NO PREP

Blank (9C26006-BLK1) Continued Prepared: 03/26/2009 15:45 Analyzed: 03/30/2009 11:45

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 (9C26006-BS1) Prepared: 03/26/2009 15:45 Analyzed: 03/30/2009 11:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	290		10	mg/L	300		97	90-110			

Duplicate (9C26006-DUP1) Prepared: 03/26/2009 15:45 Analyzed: 03/30/2009 11:45

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	290		10	mg/L		310			7	25	

Batch 9C27002 - Same

Blank (9C27002-BLK1) Prepared: 03/27/2009 10:50 Analyzed: 03/30/2009 07:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.0040	U	0.0050	mg/L							

LCS (9C27002-BS1) Prepared: 03/27/2009 15:05 Analyzed: 03/30/2009 07:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.0050	mg/L	0.150		98	90-110			

Matrix Spike (9C27002-MS1) Prepared: 03/27/2009 10:50 Analyzed: 03/30/2009 08:03

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.13		0.0050	mg/L	0.150	0.0040 U	87	90-110			QM-07

Matrix Spike Dup (9C27002-MSD1) Prepared: 03/27/2009 10:50 Analyzed: 03/30/2009 08:07

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.13		0.0050	mg/L	0.150	0.0040 U	86	90-110	1	10	QM-07

Batch 9C29002 - NO PREP

Blank (9C29002-BLK1) Prepared: 03/29/2009 07:38 Analyzed: 03/30/2009 00:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	0.078	U	5.0	mg/L							

LCS (9C29002-BS1) Prepared: 03/29/2009 07:38 Analyzed: 03/30/2009 01:15

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9C29002 - NO PREP

LCS (9C29002-BS1) Continued Prepared: 03/29/2009 07:38 Analyzed: 03/30/2009 01:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	46		5.0	mg/L	50.0		91	90-110			

Matrix Spike (9C29002-MS1) Prepared: 03/29/2009 07:38 Analyzed: 03/30/2009 02:34

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	210	E	5.0	mg/L	50.0	160	111	80-120			QM-02

Matrix Spike Dup (9C29002-MSD1) Prepared: 03/29/2009 07:38 Analyzed: 03/30/2009 03:54

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	210	E	5.0	mg/L	50.0	160	108	80-120	0.6	15	QM-02

Batch 9C30021 - NO PREP

Blank (9C30021-BLK1) Prepared: 03/30/2009 15:40 Analyzed: 03/30/2009 15:50

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

LCS (9C30021-BS1) Prepared: 03/30/2009 15:40 Analyzed: 03/30/2009 15:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.38		0.10	mg/L	0.401		95	80-120			

Matrix Spike (9C30021-MS1) Prepared: 03/30/2009 15:40 Analyzed: 03/30/2009 15:50

Source: C903307-04

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

Matrix Spike Dup (9C30021-MSD1) Prepared: 03/30/2009 15:40 Analyzed: 03/30/2009 15:50

Source: C903307-04

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

Batch 9C31003 - NO PREP

Blank (9C31003-BLK1) Prepared: 03/30/2009 17:30 Analyzed: 03/30/2009 17:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	1.9	U	5.0	mg/L							

LCS (9C31003-BS1) Prepared: 03/30/2009 17:30 Analyzed: 03/30/2009 17:35

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9C31003 - NO PREP

LCS (9C31003-BS1) Continued Prepared: 03/30/2009 17:30 Analyzed: 03/30/2009 17:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		5.0	mg/L	100		101	80-120			

Matrix Spike (9C31003-MS1) Prepared: 03/30/2009 17:30 Analyzed: 03/30/2009 17:36

Source: C903307-17RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	120		5.0	mg/L	100	8.8	106	80-120			

Matrix Spike Dup (9C31003-MSD1) Prepared: 03/30/2009 17:30 Analyzed: 03/30/2009 17:36

Source: C903307-17RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	110		5.0	mg/L	100	8.8	103	80-120	3	25	

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 9C26030 - EPA 3510C

Blank (9C26030-BLK1) Prepared: 03/26/2009 18:07 Analyzed: 03/31/2009 23:42

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	*2.2*			*ug/L*	*2.00*		*112*	*68-139*			

LCS (9C26030-BS1) Prepared: 03/26/2009 18:07 Analyzed: 04/01/2009 00:19

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		98	68-154			
2,4-D	1.7		0.50	ug/L	2.00		86	62-144			
Surrogate: 2,4-DCAA	*1.9*			*ug/L*	*2.00*		*93*	*68-139*			

Matrix Spike (9C26030-MS1) Prepared: 03/26/2009 18:07 Analyzed: 04/01/2009 00:57

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.8		0.50	ug/L	2.00	0.056 U	89	68-154			
2,4-D	1.6		0.50	ug/L	2.00	0.091 U	82	62-144			
Surrogate: 2,4-DCAA [2C]	*2.9*			*ug/L*	*2.00*		*146*	*68-139*			

Matrix Spike Dup (9C26030-MSD1) Prepared: 03/26/2009 18:07 Analyzed: 04/01/2009 01:34

Source: C903307-04

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 9C26030 - EPA 3510C

Matrix Spike Dup (9C26030-MSD1) Continued Prepared: 03/26/2009 18:07 Analyzed: 04/01/2009 01:34

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.5		0.50	ug/L	2.00	0.056 U	127	68-154	35	15	QR-02
2,4-D	1.6		0.50	ug/L	2.00	0.091 U	78	62-144	4	33	
Surrogate: 2,4-DCAA [2C]	*2.2*			*ug/L*	*2.00*		*112*	*68-139*			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
J-01	Result is estimated due to positive results in the associated method blank.
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).
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.
QS-03	Surrogate recovery outside acceptance limits
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.
QV-02	The associated continuing calibration verification standard exhibited low bias; the reported result should be considered to be a minimum estimate.

★ Please call Stephanie to arrange pickup, either on the road or at the office. Thank you. BSG

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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Client Name: Golder Associates, Inc. (GO007)	Project Number: 08396506009.100
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): Ryan Stringfellow	Billing Contact: Accounts Payable
Sampler(s) Signature: Ryan Stringfellow	Facility # (if required):

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due __/__/__

Lab Workorder: C903307

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	8081A Appendix 2,8082 Appendix 2,8151A Appendix 2,8270C Appendix 2	8260B Appendix 1	8260B Appendix 2	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Hg,Mn,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Hg,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.2,TDS as conductivity,TDS SM2540C	Chloride 300,Sulfate 300	Cyanide Total 335.4	Fe,Hg,Mn	Sample Comments
	4501-MW5 (Background)	3-24-09	9:50	G	GW	11	X		X		X				X		
	4501-MW6		12:15	G	GW	11	X		X		X				X		
	4501-MW7		12:40	G	GW	11	X		X		X				X		
	4501-MW8 (MS/MSD)		13:10	G	GW	20	X		X		X				X		
	4501-MW9		11:25	G	GW	11	X		X		X				X		Only 2 voa vials
	4501-AMW1S		14:35	G	GW	11	X		X		X				X		received for MW9.
	4501-AMW1D		14:50	G	GW	11	X		X		X				X		BSG 3/25/09
	4501-AMW2S		15:10	G	GW	11	X		X		X				X		
	4501-AMW2D		15:25	G	GW	11	X		X		X				X		
	4501-BR1		13:45	G	SW	4		X				X					
	4501-BR2		14:00	G	SW	4		X				X					
	4501-BR3	✓	9:08	G	SW	4		X				X					

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CGB	03/18/09	Ryan Stringfellow	3/24/09 21:50		
Comments: C-382 / C-31 1. Please provide a level 2 data report 2. Unit rates per basis Ordering Agreement from ENCO 2008 MSA price list dated April 9, 2004 3. Estimated Fee = $7,736.00		Relinquished By		Received By	
		Relinquished By		Received By: Briana Gregory	3/25/09 10:00
		Cooler #'s & Temps on Receipt: C-361 2.1°C C-368 2.0°C C-543 5.4°C C-146 2.0°C C-390 3.1°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.

10% per Ryan Stringfellow: Ryan Stringfellow Approved By: Stephanie

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
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Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

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Client Name: Golder Associates, Inc. (GO007)	Project Number: 08396506009.100
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): Ryan Stringfellow	Billing Contact: Accounts Payable
Sampler(s) Signature: Ryan Stringfellow	Facility # (if required):

Requested Analyses: Sulfide SM4500-S/D

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

Lab Workorder: C903307

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Sulfide SM4500-S/D	Sample Comments
	4501-MW5 (Background)	3-24-09	9:50	G	GW	11	X	
	4501-MW6		12:15	G	GW	11	X	
	4501-MW7		12:40	G	GW	11	X	
	4501-MW8 (MS/MSD)		13:10	G	GW	20	X	
	4501-MW9		11:25	G	GW	11	X	
	4501-AMW1S		14:35	G	GW	11	X	
	4501-AMW1D		14:50	G	GW	11	X	
	4501-AMW2S		15:10	G	GW	11	X	
	4501-AMW2D		15:25	G	GW	11	X	
	~~4501-BR1~~				~~SW~~	~~4~~		
	~~4501-BR2~~				~~SW~~	~~4~~		
	~~4501-BR3~~				~~SW~~	~~4~~		
						<-- Total # of Containers		

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CCB	03/18/09	Ryan Stringfellow			
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By: Briana Burgess	Date/Time: 3/25/09 10:00

Comments
1. Please provide a "Level 2" data report.*
2. Unit rates per Basic Ordering Agreement from 2008 ENCO price list dated April 9, 2008
3. Estimated fee = $7,736.00

Cooler #'s & Temps on Receipt: C-146 2.6°C; C-361 2.1°C; C-382 1.6°C; C-31 2.2°C; C-368 2.2°C; C-390 3.1°C; C-543 5.7°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: Hce 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: Stephanie [illegible]

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: 08396506009.100
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): Ryan Stringfellow	Billing Contact: Accounts Payable
Sampler(s) Signature: Ryan Stringfellow	Facility # (if required):

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

Lab Workorder: C903307

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	8081A Appendix 2,8082 Appendix 2,8151A Appendix 2,8270C Appendix 2	8260B Appendix 1	8260B Appendix 2	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Hg,Mn,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Hg,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.2,TDS as conductivity,TDS SM2540C	Chloride 300,Sulfate 300	Cyanide Total 335.4	Fe,Hg,Mn	Sample Comments
	4501-SW1	3-24-09	16:00	G	SW	4		X				X					
	4501-Field Blank	3-24-09	15:35	G	WA	11	X		X	X					X		
	4501-Trip Blank	3-24-09	—	—	WA	2			X								
	4501-MW10	3-24-09	11:45	G	GW	2		X				X	X	X		X	
	4501-MW11 (MS/MSD)	3-24-09	10:30	G	GW	2		X				X	X	X		X	
	4501-MW12	3-24-09	10:47	G	GW	2		X				X	X	X		X	
	4501-MW13	3-24-09	11:04	G	GW	2		X				X	X	X		X	

<- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CCB	03/18/09	Ryan Stringfellow	3.24.09 21:00	Briana Gregory	3/25/09 10:00
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments:
1. Please provide a "level 2" data report.
2. Unit rates per "Basic ordering Agreement" per 2008 ENCO MSA Price List ~~dated April~~ and 2004.
3. Estimated Fee $7,736

Cooler #'s & Temps on Receipt: C-146 3.6°C; C-31 2.2°C; C-301 2.1°C; C-368 2.2°C; C-382 1.6°C; C-390 3.1°C; C-543 5.7°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: [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
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Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page ____ of ____

Client Name: Golder Associates, Inc. (GO007)	Project Number: 08396506009.100
Address: The Wingate Building 4900 Koger Blvd., Suite 140	Project Name/Desc: Henderson Co. LF
City/ST/Zip: Greensboro, NC27407	PO # / Billing Info:
Tel: (336) 852-4903 / Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): Ryan Stringfellow	Billing Contact: Accounts Payable
Sampler(s) Signature: Ryan Stringfellow	Facility # (if required):

Requested Analyses: Sulfide SM4500-S/D

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C903307

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Sulfide SM4500-S/D	Sample Comments
2	~~4501-SW1~~		~~16:00~~		SW	4		
	4501-Field Blank	3-24-09	15:35	G	WA	11	X	
1	~~4501-Trip Blank~~				WA	2		
1	~~4501-MW10~~		~~11:45~~		GW	2		
1	~~4501-MW11(MS/MSD)~~		~~10:30~~		GW	2		
1	~~4501-MW12~~		~~10:42~~		GW	2		
3	~~4501-MW13~~		~~11:04~~		GW	2		

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CCB	03/18/09	Ryan Stringfellow	3-24-09 24:06		
				Susana Gregory	3/25/09 10:00

Comments:
1. Please provide a level 2 data report.
2. Unit rates per Basic Service Agreement from 2008 MSA Price list dated April 3, 2008.
3. Estimated Fee - $ 7734.00

Cooler #'s & Temps on Receipt: C-146 2.6°C; C-361 2.1°C; C-382 1.6°C; C-31 2.2°C; C-368 2.2°C; C-390 3.1°C; C-543 5.7°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 Laboratories 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: Stephanie [illegible]

WORK ORDER

Printed: 4/7/2009 11:24:17AM

C903307

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**Henderson Co. LF**	**Project Number:**	**08396506009.100**
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-09 10:00
Logged In By:	Briana J Gregory	Date Logged In:	25-Mar-09 10:53

Work Order Comments:

C-146 received at 2.6°C

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

C-31 received at 2.2°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

C-361 received at 2.1°C

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

C-368 received at 2.2°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

C-382 received at 1.6°C

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

C-390 received at 3.1°C

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

C-543 received at 3.7°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 NC, INC.
QUALITY ASSURANCE & QUALITY CONTROL
LABORATORY DATA REVIEW

Project Name: Henderson County Closed MSW and C&D LF

Project Reference Number: 083-9650609.100

Sampling Event Date: March 23-24, 2009

Review Date: April 20, 2009 *Initials:* JD

Review Date: May 26, 2009 *Initials:* RS

Report #: C903307

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)

X NC Closed Facility/C & D List

___ NC Appendix I

___ NC Appendix I + Detects

X NC Appendix II

___ NC Subtitle D Leachate List

Other: _____

1.0 CHAIN OF CUSTODY (COC) REVIEW

JD RS COC was properly signed by all parties.

JD RS Correct project name and number are on the form.

- ***Corrected Project Number is 083-9650609.100***

JD RS Sample receipt condition at laboratory was acceptable.

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

2.0 SAMPLE HOLDING TIMES

JD RS Holding times for extraction and/or analysis were met for each analytical Method (see below for reference).

Review Criteria		
Method	**Analytes**	**Holding Time**
SW-846 Method 8260 and 8011	VOCs	14 days
SW-846 Methods 8270, 8080, 8081, 8082, and 8151	SVOCs, PCBs, pesticides and herbicides	7 days for extraction, 40 days from extraction for analysis
SW-846 Methods 6000 and 7000 Series	Metals except mercury	6 months (no temperature requirements)
SW-846 Method 7470	Mercury	28 days
SW-846 Method 376.1	Sulfide	7 days
SW-846 Method 9010	Cyanide	14 days
EPA Method 300	Nitrate/Sulfate	48 hours/28 days
EPA Method 405.1	BOD	48 hours
EPA Method 410.4	COD	28 days
EPA Method 365.4	Phosphorous	28 days

3.0 LABORATORY QUALITY CONTROL REVIEW

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

JD RS Laboratory blank is interference-free.

- ***Thallium was detected at an estimated concentration of 0.092 ug/L (less than half of the MRL) in the 6020 method blank.***

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

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

- ***The surrogate spike recovery of 2,4,5,6-TCMX and/or decachlorobiphenyl in the 8081A/8082 method blank and/or the associated samples was outside of control limits. The associated samples did not have any detections for any of the analytes in these analyses.***

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

JD RS MS/MSD/LCS recoveries for each method are within the acceptable limits (i.e., at least 1 of the 3 were within range).

- ***The spike recoveries of antimony and mercury were outside of control limits for the MS, MSD, and/or PS samples. The QC batches for these analytes were approved based on acceptable recovery of the analytes in the LCS samples.***

- ***The spike recovery of gamma-BHC and PCB 1016/1242 was outside of control limits for the MS and/or MSD samples. The QC batches for these analytes were approved based on acceptable recovery of the analytes in the LCS samples.***
- ***The spike recovery of pyrene in the 8270C analysis was outside of control limits for the MS and/or MSD samples. The QC batch for this analyte was approved based on acceptable recovery of the analyte in the LCS sample.***
- ***The relative percent difference of the spike recovery of 2,4,5-TP (Silvex) in the 8151A analysis was outside of control limits for the MS and MSD samples. The QC batch for this analyte was approved based on acceptable recovery of the analyte in the LCS sample and completeness of the QC data.***
- ***The spike recovery of chloride, cyanide and sulfide was outside of control limits for the MS and/or MSD samples. The QC batches for these analytes were approved based on acceptable recovery of the analytes in the LCS samples.***
- ***The spike recovery of sulfate could not accurately be calculated for the MS and MSD samples due to the high analyte content in the source sample. The QC batch for this analyte was approved based on acceptable recovery of the analyte in the LCS sample and completeness of the QC data.***

4.0 ANALYTE LISTS/METHODS

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

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

- ***The continuing calibration verification standard for Pentachlorophenol exhibited a high bias. None of the associated samples had a detection of this analyte.***

5.0 DATA REPORTING

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

JD RS 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:

- ***Di-n-butylphthalate @ 1.1 µg/L (J) *No B-flags needed.***
- ***Zinc @ 3.4 µg/L (J) * B-flags needed for concentrations in MW-5, MW-7, MW-9, AMW-1S, AMW-1D, AMW-2S, BR-1, BR-2, SW-1, MW-10, MW-11, and MW-13***

Lab Blank:

- ***Thallium @ 0.092 µg/L *B-flags needed for concentrations in MW-5, MW-6, MW-7, MW-8, AMW-1S, and MW-12***

JD RS 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.

- ***Sulfate dilution factor of 2 for MW-11.***

JD RS The report provides the reporting limit for each constituent.

JD RS The results were reported at or below their proper reporting limits (e.g., NC Solid Waste Section RLs). Those that are not reported correctly are listed below (by constituent) with the proper reporting limit listed beside them. State if the reporting limit error is due to dilutions.

JD RS No inorganic or organic constituents were reported above their respective NC 2L Drinking Water Standards or Solid Waste Section Groundwater Protection Standards (GWPS) in wells or field/equipment/trip blanks or above applicable surface water standards in surface points.

MW-7

➢ ***1,4-dichlorobenzene at 6.4 µg/L***	***2L Standard = 1.4 µg/L***
➢ ***Vinyl Chloride at 1.5 µg/L***	***2L Standard = 0.015 µg/L***

MW-8

➢ ***Mercury at 1.33 µg/L***	***2L Standard = 1.05 µg/L***
➢ ***Vanadium at 9.0 µg/L (J)***	***GWP Standard = 3.5 µg/L***
➢ ***Methylene chloride at 11 µg/L***	***2L Standard = 4.6 µg/L***
➢ ***Tetrachloroethene (PCE) at 8.7 µg/L***	***2L Standard = 0.7 µg/L***
➢ ***Trichloroethene at 3.1 µg/L***	***2L Standard = 2.8 µg/L***

MW-9

➢ ***Tetrachloroethene (PCE) at 2.7 µg/L***	***2L Standard = 0.7 µg/L***

AMW-1D

➢ ***1,4-dichlorobenzene at 2.6 µg/L***	***2L Standard = 1.4 µg/L***
➢ ***Vinyl Chloride at 0.60 µg/L (J)***	***2L Standard = 0.015 µg/L***

AMW-2S

➢ ***Vinyl Chloride at 0.53 µg/L (J)***	***2L Standard = 0.015 µg/L***

MW-10

- ***Iron at 2750 µg/L*** — ***2L Standard = 300 µg/L***
- ***Manganese at 60.9 µg/L*** — ***2L Standard = 50 µg/L***
- ***Vanadium at 4.9 µg/L*** — ***GWP Standard = 3.5 µg/L***

MW-11

- ***Iron at 1400 µg/L*** — ***2L Standard = 300 µg/L***
- ***Manganese at 165 µg/L*** — ***2L Standard = 50 µg/L***

MW-12

- ***Iron at 4810 µg/L*** — ***2L Standard = 300 µg/L***
- ***Manganese at 155 µg/L*** — ***2L Standard = 50 µg/L***
- ***Tetrachloroethene (PCE) at 1.3 µg/L*** — ***2L Standard = 0.7 µg/L***
- ***Vanadium at 6.5 µg/L*** — ***GWP Standard = 3.5 µg/L***

MW-13

- ***Iron at 1670 µg/L*** — ***2L Standard = 300 µg/L***
- ***Manganese at 59.1 µg/L*** — ***2L Standard = 50 µg/L***

BR-1

- ***Silver at 1.3 µg/L (J)*** — ***SW Standard = 0.06 µg/L***

BR-2

- ***Silver at 2.5 µg/L (J)*** — ***SW Standard = 0.06 µg/L***

BR-3

- ***Silver at 2.4 µg/L (J)*** — ***SW Standard = 0.06 µg/L***

SW-1

- ***Silver at 1.3 µg/L (J)*** — ***SW Standard = 0.06 µg/L***

JD RS No inorganic or 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).

- ***This was the first event that beryllium, cobalt, copper, iron, manganese, nickel, vanadium, and acetone were included in the constituent list for respective monitoring wells and/or surface water points.***

JD RS Other report issues/Communications with laboratory/etc.:

APPENDIX III

STATISTICAL EVALUATION WORKSHEETS AND SUMMARY TABLE

Summary of Statistical Analysis
Henderson County Landfill, Permit No. 45-01
Hendersonville, North Carolina

March 2009												
Detected Monitoring Constituent/Analytes	**Reporting Units**	**Statistical Evaluation Method**		**Prediction Interval**	**Downgradient Monitoring Wells and Concentrations**							
					MW-6	**MW-7**	**MW-8**	**MW-9**	**AMW-1S**	**AMW-1D**	**AMW-2S**	**AMW-2D**
Barium	ug/L	Interwell	Nonparametric Prediction Interval	348	54.5 J	203	517	56.7 J	221	19.0 J	15.4 J	ND
		Intrawell MW-8	Upper Prediction Interval	1143								
Beryllium	ug/L	Interwell	Nonparametric Prediction Interval	4.6	0.20 J	0.82 J	3.02	0.35 J	1.30	ND	0.18 J	ND
Cadmium	ug/L	Interwell	Nonparametric Prediction Interval	1.57	0.22 J	0.18 J	1.06	ND	0.61 J	ND	ND	ND
Cobalt	ug/L	Interwell	Nonparametric Prediction Interval	10.0	3.1 J	ND	5.8 J	ND	10.7	ND	4.0 J	ND
		Intrawell	Upper Prediction Interval	26.3								
Mercury	ug/L	Interwell	Nonparametric Prediction Interval	0.7	ND	ND	1.33	0.14 J	ND	ND	ND	ND
		Intrawell MW-8	Nonparametric Prediction Interval	0.9								
Zinc	ug/L	Interwell	Nonparametric Prediction Interval	50.0	56.3	9.3 B	38.3	4.1 B	4.1 B	3.4 B	7.7 B	ND
		Intrawell MW-6	Nonparametric Prediction Interval	380								

Notes:

1. Shaded values represent apparent statistical significant increases (SSIs) over background concentrations. Mercury in MW-8 was determined to be an SSI for the March 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

INTERWELL STATISTICAL EVALUATION WORKSHEETS

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

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

Number of Data	31
Number of Truncated Data	19
Percentage of Truncated Data	61%

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

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Analyte: Beryllium

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/5/94	MW-5	ND		1
2	2/14/95	MW-5	ND		1
3	4/3/95	MW-5	ND		1
4	10/30/95	MW-5	ND		1
5	4/8/96	MW-5	ND		1
6	10/24/96	MW-5	ND		1
7	4/15/97	MW-5	ND		1
8	10/29/97	MW-5	ND		1
9	5/14/98	MW-5	ND		1
10	10/11/98	MW-5	ND		1
11	6/4/99	MW-5	ND		1
12	10/29/99	MW-5	ND		1
13	4/20/00	MW-5	ND		1
14	11/7/00	MW-5	ND		1
15	5/15/01	MW-5	ND		1
16	10/16/01	MW-5	ND		1
17	4/24/02	MW-5	4.2		1
18	10/1/02	MW-5	ND		1
19	4/9/03	MW-5	ND		1
20	10/20/03	MW-5	ND		1
21	3/24/04	MW-5	ND		1
22	10/27/04	MW-5	ND		1
23	5/25/05	MW-5	ND		1
24	10/4/05	MW-5	ND		1
25	4/25/06	MW-5	ND		1
26	10/4/06	MW-5	ND		1
27	3/21/07	MW-5	ND		1
28	10/2/07	MW-5	ND		1
29	4/3/08	MW-5	1.07		1
30	10/29/08	MW-5	4.6		1
31	3/24/09	MW-5	0.35	J	1

Number of Data	31
Number of Truncated Data	27
Percentage of Truncated Data	87%

Nonparametric Prediction Interval: **4.6** ug/L

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Analyte: Cadmium

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/5/94	MW-5	ND		1
2	2/14/95	MW-5	ND		1
3	4/3/95	MW-5	ND		1
4	10/30/95	MW-5	ND		1
5	4/8/96	MW-5	ND		1
6	10/24/96	MW-5	ND		1
7	4/15/97	MW-5	ND		1
8	10/29/97	MW-5	ND		1
9	5/14/98	MW-5	ND		1
10	10/11/98	MW-5	ND		1
11	6/4/99	MW-5	ND		1
12	10/29/99	MW-5	ND		1
13	4/20/00	MW-5	ND		1
14	11/7/00	MW-5	ND		1
15	5/15/01	MW-6	ND		1
16	10/16/01	MW-7	ND		1
17	4/24/02	MW-8	ND		1
18	10/1/02	MW-9	ND		1
19	4/9/03	MW-5	ND		1
20	10/20/03	MW-5	ND		1
21	3/24/04	MW-5	ND		1
22	10/27/04	MW-5	ND		1
23	5/25/05	MW-5	ND		1
24	10/4/05	MW-5	ND		1
25	4/25/06	MW-5	ND		1
26	10/4/06	MW-5	ND		1
27	3/21/07	MW-5	1.57	J	1
28	10/2/07	MW-5	ND		1
29	4/3/08	MW-5	ND		1
30	10/29/08	MW-5	ND		1
31	3/24/09	MW-5	ND		1

Number of Data	31
Number of Truncated Data	30
Percentage of Truncated Data	97%

Nonparametric Prediction Interval: **1.57**

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Analyte: Cobalt

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/5/94	MW-5	ND		10
2	2/14/95	MW-5	ND		10
3	4/3/95	MW-5	ND		10
4	10/30/95	MW-5	ND		10
5	4/8/96	MW-5	ND		10
6	10/24/96	MW-5	ND		10
7	4/15/97	MW-5	2		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	1.13	J	10
28	10/2/07	MW-5	ND		10
29	4/3/08	MW-5	ND		10
30	10/29/08	MW-5	3.55	J	10
31	3/24/09	MW-5	0.6	J	10

Number of Data	31
Number of Truncated Data	27
Percentage of Truncated Data	87%

Nonparametric Prediction Interval: **10.0** ug/L

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Analyte: Mercury

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	10/30/95	MW-5	0.5		0.5
2	10/24/96	MW-5	0.7		0.7
3	10/29/97	MW-5	ND		0.2
4	5/14/98	MW-5	ND		0.2
5	10/11/98	MW-5	ND		0.2
6	6/4/99	MW-5	ND		0.2
7	10/29/99	MW-5	ND		0.2
8	4/20/00	MW-5	ND		0.2
9	11/7/00	MW-5	ND		0.2
10	5/15/01	MW-5	ND		0.2
11	10/16/01	MW-5	ND		0.2
12	4/24/02	MW-5	ND		0.2
13	10/1/02	MW-5	ND		0.2
14	4/9/03	MW-5	ND		0.2
15	10/20/03	MW-5	ND		0.2
16	3/24/04	MW-5	ND		0.2
17	10/27/04	MW-5	ND		0.2
18	5/25/05	MW-5	ND		0.2
19	10/4/05	MW-5	ND		0.2
20	4/25/06	MW-5	ND		0.2
21	10/4/06	MW-5	ND		0.2
22	3/21/07	MW-5	ND		0.2
23	10/2/07	MW-5	ND		0.2
24	4/3/08	MW-5	ND		0.2
25	10/29/08	MW-5	ND		0.2
26	3/24/09	MW-5	ND		0.2

Number of Data	26
Number of Truncated Data	24
Percentage of Truncated Data	92%

Nonparametric Prediction Interval: **0.70**

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

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

Number of Data	30
Number of Truncated Data	20
Percentage of Truncated Data	67%

Nonparametric Prediction Interval: **50.0** ug/L

INTRAWELL STATISTICAL EVALUATION WORKSHEETS

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

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

Number of Data	29
Number of Truncated Data	5
Percentage of Truncated Data	17%

Upper Prediction Interval: **1143** ug/L

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

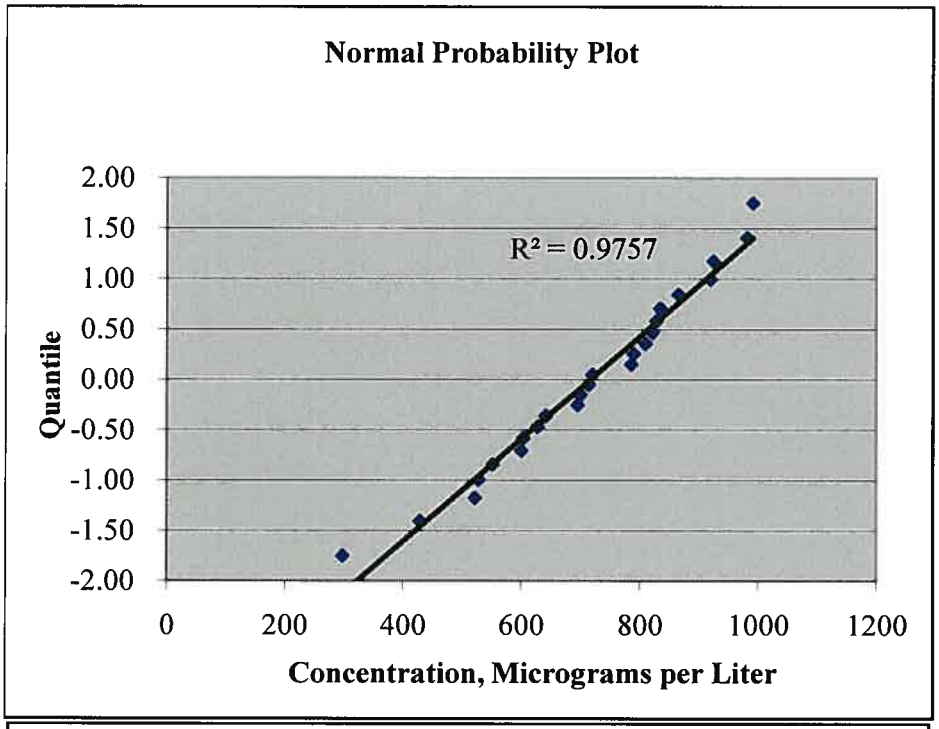
Probability Plots to determine the distribution of Barium (Intrawell MW-8)

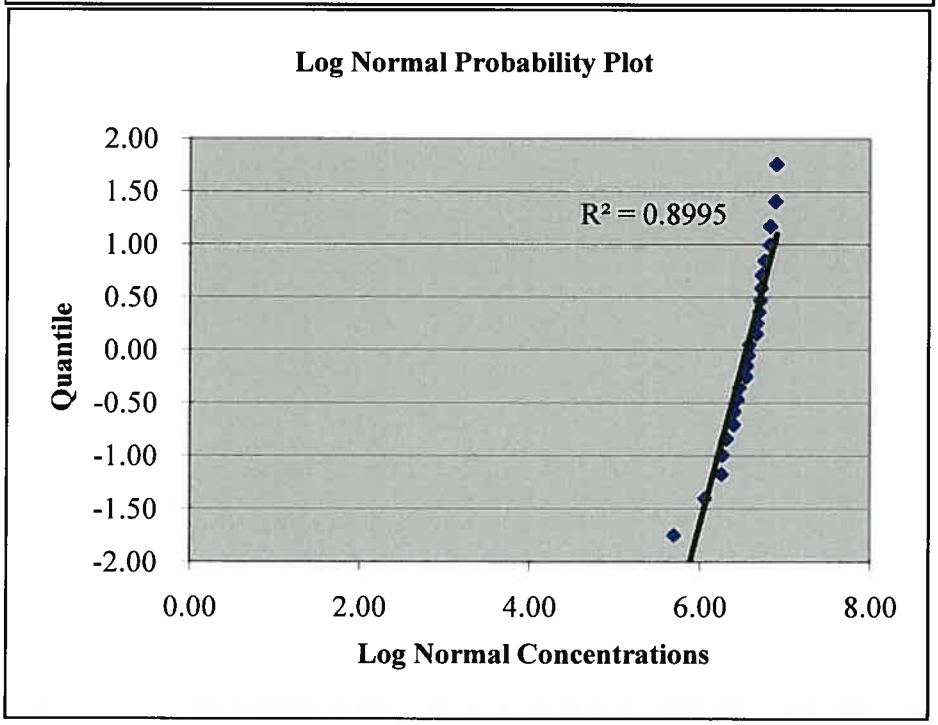
Complete the following table where:

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 = 24

X(i)	LN[X(i)]	i	Rank	[Rank/(n+1)]	Quantiles
298	5.70	1	1	0.040	-1.75
429	6.06	2	2	0.080	-1.41
522	6.26	3	3	0.120	-1.17
528	6.27	4	4	0.160	-0.99
552	6.31	5	5	0.200	-0.84
601	6.40	6	6	0.240	-0.71
604	6.40	7	7	0.280	-0.58
628	6.44	8	8	0.320	-0.47
642	6.46	9	9	0.360	-0.36
695	6.54	10	10	0.400	-0.25
700	6.55	11	11	0.440	-0.15
714	6.57	12	12	0.480	-0.05
720	6.58	13	13	0.520	0.05
786	6.67	14	14	0.560	0.15
790	6.67	15	15	0.600	0.25
810	6.70	16	16	0.640	0.36
822	6.71	17	17	0.680	0.47
829	6.72	18	18	0.720	0.58
835	6.73	19	19	0.760	0.71
866	6.76	20	20	0.800	0.84
920	6.82	21	21	0.840	0.99
925	6.83	22	22	0.880	1.17
982	6.89	23	23	0.920	1.41
992	6.90	24	24	0.960	1.75

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





Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

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	528.0		100
2	02/14/95	MW-8	601.0		100
3	04/03/95	MW-8	786.0		100
4	10/30/95	MW-8	835.0		100
5	04/08/96	MW-8	790.0		100
6	10/24/96	MW-8	925.0		100
7	04/15/97	MW-8	810.0		100
8	10/29/97	MW-8	700.0		100
9	05/14/98	MW-8	628.0		100
10	10/11/98	MW-8	ND		100
11	06/04/99	MW-8	552.0		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	604.0		100
16	10/16/01	MW-8	298.0		100
17	04/24/02	MW-8	642.0		100
18	10/01/02	MW-8	ND		100
19	04/09/03	MW-8	522.0		100
20	10/20/03	MW-8	720.0		100
21	03/24/04	MW-8	829.0		100
22	10/27/04	MW-8	866.0		100
23	10/04/05	MW-8	982.0		100
24	04/25/06	MW-8	822.0		100
25	10/04/06	MW-8	920.0		100
26	03/21/07	MW-8	992.0		100
27	10/02/07	MW-8	695.0		100
28	04/03/08	MW-8	714.0		100
29	10/29/08	MW-8	429.0		100

mean = 716.250
STD = 175.546

Note: All concentrations are micrograms per liter

Using the data listed above, form the statistic Tn:

Tn = (Xn - mean) / STD

where:

	Xn =	largest observed sample value
	mean =	mean of the background values
	STD =	standard deviation of the background values

For	Xn =	992.000
	mean =	716.250
	STD =	175.546
	Tn =	**1.571**

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 =	29
Tc =	**2.73**

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

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

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	0.4493	311.81
2	429.00	982.00	553	0.3098	171.32
3	522.00	925.00	403	0.2554	102.93
4	528.00	920.00	392	0.2145	84.08
5	552.00	866.00	314	0.1807	56.74
6	601.00	835.00	234	0.1512	35.38
7	604.00	829.00	225	0.1245	28.01
8	628.00	822.00	194	0.0997	19.34
9	642.00	810.00	168	0.0764	12.84
10	695.00	790.00	95	0.0539	5.12
11	700.00	786.00	86	0.0321	2.76
12	714.00	720.00	6	0.0107	0.06
13	720.00	714.00			
14	786.00	700.00			
15	790.00	695.00			
16	810.00	642.00			
17	822.00	628.00			
18	829.00	604.00			
19	835.00	601.00			
20	866.00	552.00			
21	920.00	528.00			
22	925.00	522.00			
23	982.00	429.00			
24	992.00	298.00			

The test statistic W can be found using:

W = SQR[B/(SD x SQRT(n-1))]

where:	B =	summation of (X(n-i+1)-X(i))A(n-i+1)	=	830.40
	SD =	standard deviation of the data group	=	175.55
	n =	number of samples	=	24
			W =	0.973

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) = 0.916
and the calculated W = 0.973

Therefore the data set is Normal

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

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

Mean of detected values = 716.25
Standard Deviation of detected values = 175.55

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	=	29
M =	mean detected values	=	716.25
	M(a)	**=**	**592.76**

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	=	29
	d =	number non-detected values	=	5
	S =	std deviation of detected values squared	=	30816.54
	MM =	mean of detected values squared	=	513014.06
		STD(a)	=	101128.48

and the adjusted standard deviation is then

S(a) = SQRT(STD(a)) = 318.01

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

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

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 =	592.76
adjusted standard deviation =	318.01

Using the background data, the upper Prediction Limit can be determined using:

Upper Prediction Limit = (Mean Conc) + t(n-1,k,.95) x (Std Dev) x SQRT(1/m+1/n)

where:	Mean Conc =	mean concentration background samples
	t(n-1k,.95) =	Bonferroni t-statistic from table 1, with
	n-1 =	degrees of freedom (number of samples - 1)
	k =	number of downgradient samples per event
	.95 =	confidence interval
	Std Dev =	standard deviation of background samples
	m =	number independent samples from each sampling point
	n =	number of background samples

For:	Mean Conc =	592.759
	Std Dev =	318.007
	t(n-1,k,.95)*sqrt(1/m+1/n) =	1.730
	k =	1
	m =	1
	n =	29

UPL = 1143 ug/L

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

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

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 =	592.76
adjusted standard deviation =	318.01

Using the background data, the upper Tolerance Limit can be determined using

Upper Tolerance Limit = (Mean Concentration) + K x (Standard Deviation Samples)

where: K = factor for constructing one sided normal tolerance limit taken from table 4-2, page 87, Statistical Methods for Groundwater Monitoring, Gibbons, 1994

n = number of background samples

For: K = 2.234

n = 29

UTL = 1303

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Analyte: Cobalt (Intrawell AMW-1S)

Sample No.	Sample Date	Location	Concentration (ug/L)	Quantitation Limit (ug/L)
1	4/20/00	AMW-1S	14.3	10
2	4/24/02	AMW-1S	16.1	10
3	10/1/02	AMW-1S	11.7	10
4	4/9/03	AMW-1S	ND	10
5	10/20/03	AMW-1S	ND	10
6	3/24/04	AMW-1S	ND	10
7	10/27/04	AMW-1S	ND	10
8	5/25/05	AMW-1S	13.4	10
9	10/4/05	AMW-1S	16.1	10
10	4/25/06	AMW-1S	16.1	10
11	10/4/06	AMW-1S	18.9	10
12	3/21/07	AMW-1S	16.2	10
13	10/2/07	AMW-1S	ND	10
14	4/3/08	AMW-1S	15.1	10
15	10/29/08	AMW-1S	24.8	10

Number of Data	15
Number of Truncated Data	5
Percentage of Truncated Data	33%

Parametric Prediction Interval: **26.3** ug/L

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Probability Plots to determine the distribution of Cobalt (Intrawell AMW-1S)

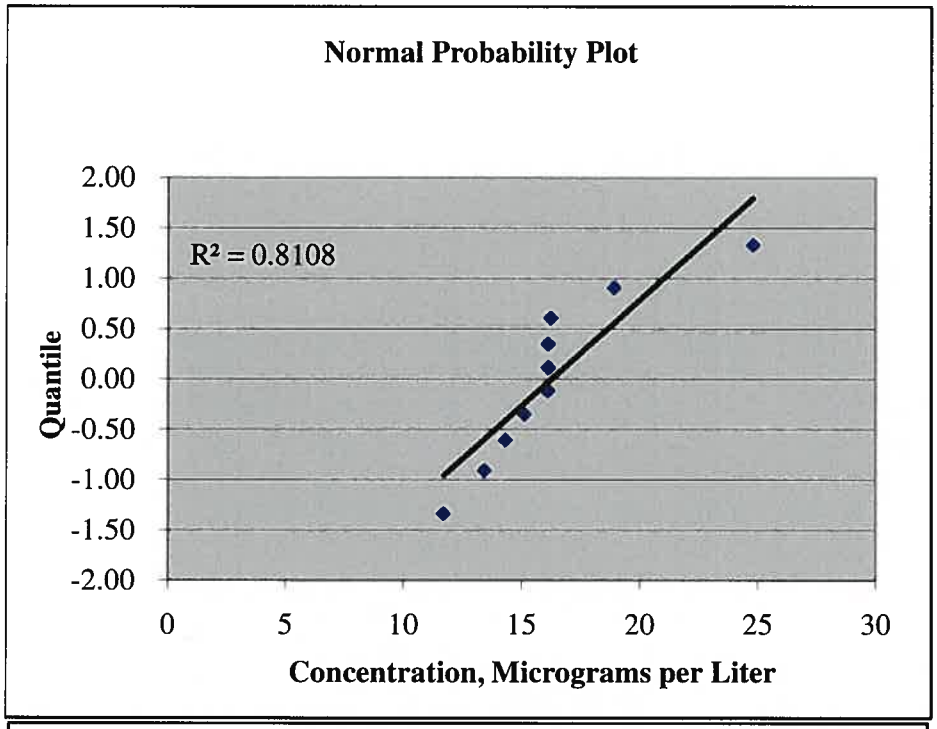
Complete the following table where:

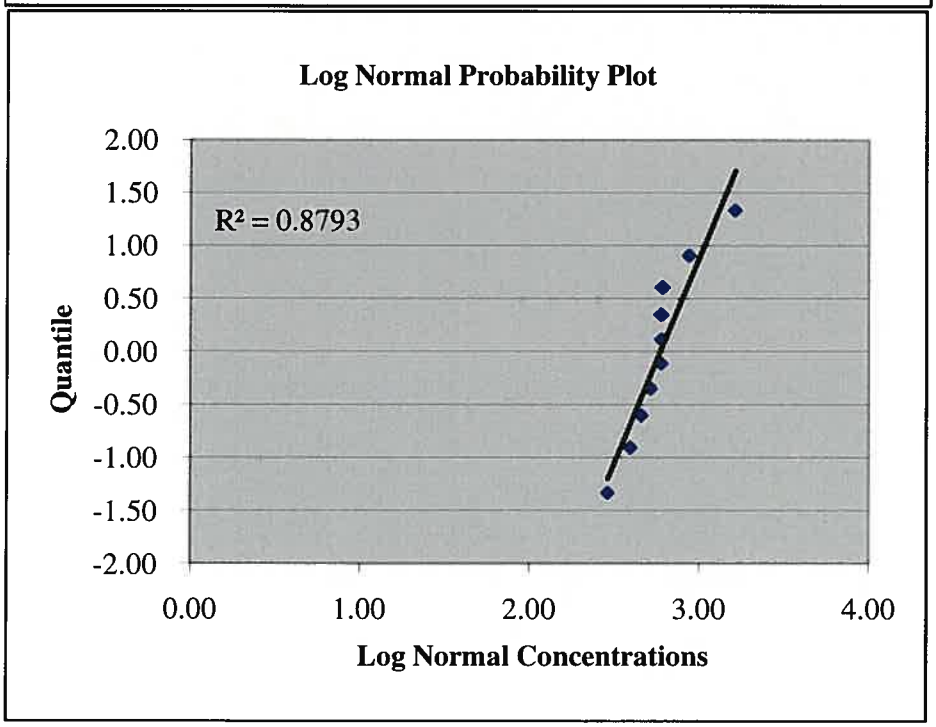
i = ordered value of sample, arranged from smallest to largest
X(i) = sample values arranged from smallest to largest
LN[X(i)] = Natural Log Value of sample concentrations arranged from smallest to largest
[i/(n+1)] = Cumulative probability
n = number of samples = 10

X(i)	LN[X(i)]	i	Rank	[Rank/(n+1)]	Quantiles
11.7	2.46	1	1	0.091	-1.34
13.4	2.60	2	2	0.182	-0.91
14.3	2.66	3	3	0.273	-0.60
15.1	2.71	4	4	0.364	-0.35
16.1	2.78	5	5	0.455	-0.11
16.1	2.78	6	6	0.545	0.11
16.1	2.78	7	7	0.636	0.35
16.2	2.79	8	8	0.727	0.60
18.9	2.94	9	9	0.818	0.91
24.8	3.21	10	10	0.909	1.34

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 04/23/09

Probability Plots to determine the distribution of Cobalt (Intrawell AMW-





Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Determination of reported background value as an outlier

Analyte: Cobalt (Intrawell AMW-1S)

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)		Quantitation Limit (ug/l)
1	36636	AMW-1S	14.3		10
2	37370	AMW-1S	16.1		10
3	37530	AMW-1S	11.7		10
4	37720	AMW-1S	ND		10
5	37914	AMW-1S	ND		10
6	38070	AMW-1S	ND		10
7	38287	AMW-1S	ND		10
8	38497	AMW-1S	13.4		10
9	38629	AMW-1S	16.1		10
10	38832	AMW-1S	16.1		10
11	38994	AMW-1S	18.9		10
12	39162	AMW-1S	16.2		10
13	39357	AMW-1S	ND		10
14	39541	AMW-1S	15.1		10
15	39750	AMW-1S	24.8		10

mean = 16.270
STD = 3.561

Note: All concentrations are micrograms per liter

Using the data listed above, form the statisitc 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 = 24.800
mean = 16.270
STD = 3.561

Tn = 2.395

From Table 8 included in the Staistical Analysis of Groundwater Monitoring Data at RCRA Facilities - Interim Final Guidance, the critical value for the given sample group is

Number of samples =	15
Tc =	**2.409**

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

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Shapiro Wilk Test Statistic (W) for normality of total Cobalt (Intrawell AMW-1S)

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	11.70	24.80	13.1	0.5739	7.52
2	13.40	18.90	5.5	0.3291	1.81
3	14.30	16.20	1.9	0.2141	0.41
4	15.10	16.10	1	0.1224	0.12
5	16.10	16.10	0	0.0399	0.00
6	16.10	16.10			
7	16.10	15.10			
8	16.20	14.30			
9	18.90	13.40			
10	24.80	11.70			

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)	=	9.86
SD =	standard deviation of the data group	=	3.56
n =	number of samples	=	10

W = 0.851

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) = 0.842
and the calculated W = 0.851

Therefore the data set is Normal

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Aitchison's Adjustment for Cobalt (Intrawell AMW-1S)

Background Values (positive detects only)

Sample No.	Sample Date	Location	Concentration (ug/l)
1	4/20/00	AMW-1S	14.3
2	4/24/02	AMW-1S	16.1
3	10/1/02	AMW-1S	11.7
4	4/9/03	AMW-1S	ND
5	10/20/03	AMW-1S	ND
6	3/24/04	AMW-1S	ND
7	10/27/04	AMW-1S	ND
8	5/25/05	AMW-1S	13.4
9	10/4/05	AMW-1S	16.1
10	4/25/06	AMW-1S	16.1
11	10/4/06	AMW-1S	18.9
12	3/21/07	AMW-1S	16.2
13	10/2/07	AMW-1S	ND
14	4/3/08	AMW-1S	15.1
15	10/29/08	AMW-1S	24.8

Mean of detected values = 16.27
Standard Deviation of detected values = 3.56

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	=	15
	M =	mean detected values	=	16.27
		M(a)	=	**10.85**

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	=	15
	d =	number non-detected values	=	5
	S =	std deviation of detected values squared	=	12.68
	MM =	mean of detected values squared	=	264.71
		STD(a)	=	71.18

and the adjusted standard deviation is then

S(a) = SQRT(STD(a)) = 8.44

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Parametric Prediction Interval for Aitchison's adjusted data

Analyte: Cobalt (Intrawell AMW-1S)

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)	Quantitation Limit (ug/l)
1	4/20/00	AMW-1S	14.3	10.00
2	4/24/02	AMW-1S	16.1	10.00
3	10/1/02	AMW-1S	11.7	10.00
4	4/9/03	AMW-1S	ND	10.00
5	10/20/03	AMW-1S	ND	10.00
6	3/24/04	AMW-1S	ND	10.00
7	10/27/04	AMW-1S	ND	10.00
8	5/25/05	AMW-1S	13.4	10.00
9	10/4/05	AMW-1S	16.1	10.00
10	4/25/06	AMW-1S	16.1	10.00
11	10/4/06	AMW-1S	18.9	10.00
12	3/21/07	AMW-1S	16.2	10.00
13	10/2/07	AMW-1S	ND	10.00
14	4/3/08	AMW-1S	15.1	10.00
15	10/29/08	AMW-1S	24.8	10.00

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 = 10.85
adjusted standard deviation = 8.44

Using the background data, the upper Prediction Limit can be determined using:

Upper Prediction Limit = (Mean Conc) + t(n-1,k,.95) x (Std Dev) x SQRT(1/m+1/n)

where: Mean Conc = mean concentration background samples

t(n-1k,.95) =	Bonferroni t-statistic from table 1, with	
n-1 =	degrees of freedom (number of samples - 1)	
k =	number of downgradient samples per event	
.95 =	confidence interval	
Std Dev =	standard deviation of background samples	
m =	number independent samples from each sampling point	
n =	number of background samples	

For:	Mean Conc =	10.847	
	Std Dev =	8.437	
	t(n-1,k,.95)*sqrt(1/m+1/n) =	1.830	
	k =	1	
	m =	1	
	n =	15	
	UPL =	**26.3**	ug/L

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Parametric Tolerance Interval for Aitchison's adjusted data

Analyte: Cobalt (Intrawell AMW-1S)

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)	Quantitation Limit (ug/l)
1	4/20/00	AMW-1S	14.3	10.00
2	4/24/02	AMW-1S	16.1	10.00
3	10/1/02	AMW-1S	11.7	10.00
4	4/9/03	AMW-1S	ND	10.00
5	10/20/03	AMW-1S	ND	10.00
6	3/24/04	AMW-1S	ND	10.00
7	10/27/04	AMW-1S	ND	10.00
8	5/25/05	AMW-1S	13.4	10.00
9	10/4/05	AMW-1S	16.1	10.00
10	4/25/06	AMW-1S	16.1	10.00
11	10/4/06	AMW-1S	18.9	10.00
12	3/21/07	AMW-1S	16.2	10.00
13	10/2/07	AMW-1S	ND	10.00
14	4/3/08	AMW-1S	15.1	10.00
15	10/29/08	AMW-1S	24.8	10.00

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 = 10.85
adjusted standard deviation = 8.44

Using the background data, the upper Tolerance Limit can be determined using

Upper Tolerance Limit = (Mean Concentration) + K x (Standard Deviation Samples)

where: K = factor for constructing one sided normal tolerance limit

taken from table 4-2, page 87, Statistical Methods for Groundwater Monitoring, Gibbons, 1994

n = number of background samples

For: K = 2.566

n = 15

UTL = 32.5 ug/L

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Analyte: Mercury (Intrawell MW-8)

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	10/30/95	MW-8	0.9		0.2
2	10/24/96	MW-8	ND		0.2
3	10/29/97	MW-8	0.8		0.2
4	5/14/98	MW-8	0.2		0.2
5	10/11/98	MW-8	0.2		0.2
6	6/4/99	MW-8	ND		0.2
7	10/29/99	MW-8	ND		0.2
8	4/20/00	MW-8	ND		0.2
9	11/7/00	MW-8	ND		0.2
10	5/15/01	MW-8	ND		0.2
11	10/16/01	MW-8	0.3		0.2
12	4/24/02	MW-8	ND		0.2
13	10/1/02	MW-8	ND		0.2
14	4/9/03	MW-8	ND		0.2
15	10/20/03	MW-8	ND		0.2
16	3/24/04	MW-8	0.258		0.2
17	10/27/04	MW-8	ND		0.2
18	10/4/05	MW-8	ND		0.2
19	4/25/06	MW-8	ND		0.2
20	10/4/06	MW-8	ND		0.2
21	3/21/07	MW-8	0.242	J	0.2
22	10/2/07	MW-8	0.709		0.2
23	4/3/08	MW-8	0.489		0.2
24	10/29/08	MW-8	0.503		0.2

Number of Data	24
Number of Truncated Data	14
Percentage of Truncated Data	58%

Nonparametric Prediction Interval: **0.9** ug/L

Project Name: Henderson County Landfill
Project No: 083-9650609.100
Date: 4/23/09

Analyte: Zinc (Intrawell MW-6)

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/5/94	MW-6	ND		10
2	2/14/95	MW-6	44		10
3	4/3/95	MW-6	48		10
4	10/30/95	MW-6	30		10
5	4/8/96	MW-6	63		10
6	10/29/97	MW-6	340		10
7	5/14/98	MW-6	ND		10
8	10/11/98	MW-6	ND		10
9	6/4/99	MW-6	ND		10
10	10/29/99	MW-6	ND		10
11	4/20/00	MW-6	ND		10
12	11/7/00	MW-6	ND		10
13	5/15/01	MW-6	ND		10
14	10/16/01	MW-6	ND		10
15	4/24/02	MW-6	ND		10
16	10/1/02	MW-6	ND		10
17	4/9/03	MW-6	ND		10
18	10/20/03	MW-6	ND		10
19	3/24/04	MW-6	ND		10
20	10/27/04	MW-6	ND		10
21	5/25/05	MW-6	ND		10
22	10/4/05	MW-6	ND		10
23	4/25/06	MW-6	ND		10
24	10/4/06	MW-6	ND		10
25	3/21/07	MW-6	124		10
26	10/2/07	MW-6	49.1		10
27	4/3/08	MW-6	46		10
28	10/29/08	MW-6	380		10

Number of Data	28
Number of Truncated Data	19
Percentage of Truncated Data	68%

Nonparametric Prediction Interval: **380** ug/L