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NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Golder Associates NC, Inc. on behalf of Henderson County

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

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

E-mail: dreedy@golder.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Henderson County Closed Landfill	802 Stoney Mountain Road Hendersonville, NC 28791	45-01	.1600/.0500	March 15-17, 2011

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

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

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

Signature | 8-9-11 Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1963 GEOLOGIST DAVID YATES REEDY, II 8-9-11

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

Facility Representative Address

C-2862

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

Revised 6/2009

WATER QUALITY MONITORING REPORT

FIRST SEMI-ANNUAL 2011 SAMPLING EVENT

Closed Henderson County Landfill, Permit No. 45-01

Henderson County, North Carolina

Submitted To:

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

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

August 2011 **0839-650610.100**

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August 9, 2011 0839-650610.100

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

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

Dear Jackie:

On behalf of Henderson County, Golder Associates NC, Inc. (Golder) is submitting the enclosed *Water Quality Monitoring Report,* which documents the results of the March 15-17, 2011, compliance monitoring event at the closed municipal solid waste (MSW) landfill and closed construction and demolition (C&D) landfill at the above-referenced facility.

As presented, five inorganic constituents (barium, beryllium, cadmium, lead, and zinc) were detected at the closed MSW landfill at concentrations above their respective Solid Waste Section Limits (SWSLs) in samples from one or more downgradient monitoring wells during the March 2011 monitoring event. The concentration in lead in the sample from AMW-2S exceeded the 2L Standard and was statistically evaluated and determined to be below background concentrations. The concentration of zinc in the sample from MW-8 was below the 2L Standard, but was determined to be a statistically significant increase during the March 2011 event. Cobalt, thallium, and vanadium were detected in samples from downgradient wells at the closed MSW facility at estimated concentrations below their SWSLs, but above their respective 2L Standard or Solid Waste Section Groundwater Protection Standard (GWPS). No other NC Appendix I inorganic constituents exceeded their respective 2L Standards or GWPSs during the March 2011 event for the closed MSW facility.

Five NC Appendix I volatile organic constituents (VOCs) were detected above their respective SWSLs in samples from one or more downgradient monitoring wells at the closed MSW landfill during the March 2011 event: benzene; chlorobenzene; 1,4-dichlorobenzene; cis-1,2-dichloroethene; and vinyl chloride. Of these, the following VOCs were detected at concentrations that exceeded their respective 2L Standards: benzene in samples from MW-7 and AMW-1D and 1,4-dichlorobenzene and vinyl chloride in the sample from MW-7. These detected constituents and concentrations are generally consistent with reported concentrations during recent events at the closed MSW landfill.

One NC Appendix I inorganic constituent (zinc) was detected at the closed C&D landfill in the samples from downgradient monitoring wells MW-12 and MW-13 at concentrations above its respective SWSL, but below the 2L Standard during this event. The concentrations of indicator parameters iron and manganese in samples from each monitoring well at the closed C&D landfill exceeded their respective SWSLs and 2L Standards. Based on zinc, iron, and manganese concentrations in recent samples from background well MW-10, the concentrations in samples from downgradient wells appear to be naturally occurring. Cobalt and thallium were detected at estimated concentrations in samples from downgradient wells at the closed C&D landfill below their respective SWSLs, but above their respective GWPS during the event.

Three NC Appendix I VOCs (methylene chloride, tetrachloroethene, and trichlorofluoromethane) were detected in samples from downgradient wells above their respective SWSLs during the March 2011 event at the closed C&D landfill. The concentration of tetrachloroethene in MW-12 exceeded the NC 2L Standard. Vinyl chloride was detected in the sample from MW-13 at an estimated concentration below its SWSL, but exceeded its 2L Standard. On March 28, 2010, an Alternate Source Demonstration (ASD) was submitted to the North Carolina Department of Environment and Natural Resources (NCDENR) in response to recent detections of NC Appendix I VOCs. Based on the data and evaluations from the ASD, it is apparent that leachate from the facility's C&D disposal unit is not the source of the VOC concentrations that have been detected in the C&D landfill downgradient monitoring wells. Additionally, the data suggest that the source of the VOCs detected in these monitoring wells is most likely landfill gas.

Copper in BR-1, silver in BR-2, and zinc in BR-3 were detected in surface water monitoring points above their respective surface water standards during the March 2011 sampling event. The detections of copper and silver were estimated below the SWSL. Zinc has been detected in BR-3 and all other surface water monitoring points at similar or higher concentrations in previous events. One VOC (1,4-dichlorobenzene) was detected above the SWSL in the sample from BR-2, as it has been in previous events. There is no applicable surface water standard for 1,4-dichlorobenzene.

Due to the observations of leachate seeps by NCDENR in March 2010, two additional surface water monitoring locations (TSW-1 and TSW-2) are sampled during the routine semi-annual water quality monitoring events. Toluene was detected in the sample from TSW-1 at a concentration that exceeded the SWSL, but was below the surface water standard.

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. Based on a letter from DENR dated May 12, 2011, the County will initiate an Assessment Monitoring Program at the C&D facility. The next sampling event is tentatively scheduled for September 2011. Henderson County is continuing with groundwater assessment activities for the MSW facility as presented in the Work Plan, approved by NCDENR on December 18, 2009. If you have any questions, please contact the undersigned at 336-852-4903.

GOLDER ASSOCIATES NC, INC.

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1.0 INTRODUCTION

This report summarizes the monitoring results from the March 15-17, 2011, groundwater and surface water sampling and analysis event at the closed Henderson County Landfill in Henderson County, North Carolina in accordance with Title 15A of the North Carolina Administrative Code (NCAC) Subchapter 13B.1632 and NCAC Subchapter 13B.0544. The Henderson County Landfill, which consists of a closed municipal solid waste (MSW) and a closed construction and demolition (C&D) landfill, is maintained by the County under Permit No. 45-01 issued by the North Carolina Department of Environment and Natural Resources (NCDENR).

1.1 Site Description and Background

The location of the facility is shown on the inlay on Drawing 1. As presented, the closed Henderson County Landfill is located approximately 3 miles northwest of the city of Hendersonville off Stoney Mountain Road. The County maintains an approximately 120-acre landfill facility that consists of a closed, unlined C&D over MSW facility; a recently closed, unlined C&D facility; a closed, unlined facility formerly operated by the TVA; and an active transfer station. A white goods area, a mulching area, and a beneficial reuse area are also present on the property. The MSW facility is subject to Assessment Monitoring in accordance with .1634 of the Solid Waste Management Rules (SWMR) and the Transition Plan for the facility. The C&D facility is subject to water quality monitoring in accordance with the January 1, 2007, revision to the C&D Rules (.0544 of the SWMR). No water quality monitoring is required or is being conducted for the TVA landfill.

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

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

1.2 Compliance Monitoring History

Henderson County monitors water quality at the closed MSW landfill by sampling one upgradient background monitoring well (MW-5), and three downgradient monitoring wells (MW-6, MW-7, and MW-8)

semi-annually. Two assessment monitoring wells (AMW-1S and AMW-1D) have also been monitored semi-annually since April 2002. Samples from the wells have historically been analyzed for the NC Appendix II list for the first semi-annual event and the NC Appendix I list plus mercury during the second semi-annual event.

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

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

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

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 2011 monitoring event are summarized in Table 1 and were used to prepare a groundwater surface contour map presented as an overlay on Drawing 1.

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

Based on the March 2011 groundwater surface contour map, the average hydraulic gradient in the shallow aquifer underlying the MSW landfill was calculated to be approximately 0.089 foot/foot (Table 2). The hydraulic gradient underlying the C&D landfill was calculated to be approximately 0.250 foot/foot (Table 2). A hydraulic conductivity of 1.26E-04 centimeters/second is used based on an average of previous hydraulic conductivities calculated for specific wells (CDM, October 2008). An estimated effective porosity of 0.15 was used for the shallow aquifer to represent a range from saprolite to fractured rock (CDM, December 2008).

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

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

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

The average estimated linear groundwater flow velocity under the MSW landfill is approximately 78 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 218 feet/year (Table 2). The range of

groundwater flow is expected to vary depending on the hydrogeologic unit in which it occurs. However, the linear velocity equation above makes the simplified assumptions of a homogeneous and isotropic aquifer. Therefore, this equation represents a likely average value for the uppermost aquifer and does not account for heterogeneous and/or anisotropic conditions that may be present in the uppermost aquifer at the facility.

2.0 FIELD PROGRAM, MONITORING RESULTS, AND DISCUSSION

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

2.1 Visual Inspection Program

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

2.2 Well Network and Groundwater Elevation Measurements

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

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

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

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

2.3 March 2011 Groundwater and Surface Water Monitoring Event

Personnel from Golder visited the facility on March 15-17, 2011, to purge and sample the 12 monitoring wells at the closed MSW and C&D landfills and to sample six 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 MW-5, MW-6, MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, AMW-1S, AMW-1D, AMW-2S, and AMW-2D were purged and sampled with disposable bailers. At least three casing volumes of groundwater were removed from each well prior to sampling. Measurements of temperature, pH, specific conductivity, and turbidity were recorded after each purge volume and at the time of sampling with field-calibrated instruments to monitor groundwater quality.

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

The groundwater samples were collected directly from the bailer in the labeled, laboratory-supplied, pre-preserved sample containers after purging was completed. After collection, the samples were placed in a cooler on ice, under chain-of-custody control. Copies of the sampling logs are presented in Appendix A. Included on each log is a description of the sampling equipment, sampling location, sampling method, field observations, and water quality measurements.

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

After collection, the samples were placed in a cooler on ice, under chain-of-custody control. Copies of the sampling logs are presented in Appendix A. Included in each log is a description of the sampling equipment, sampling location, sampling method, field observations, and water quality measurements.

2.4 Laboratory Analysis Program

The March 2011 groundwater and surface water samples were shipped to Environmental Conservation Laboratories, Inc. (ENCO) of Cary, North Carolina under chain-of-custody control. The samples were received at the laboratory on March 18, 2011, in good condition and properly preserved. Groundwater samples from the compliance MSW wells were analyzed for the NC Appendix II list of constituents. Groundwater samples from the assessment MSW wells were analyzed for the NC Appendix I list of constituents plus mercury. Groundwater samples from the closed C&D facility were analyzed for the NC Appendix I list of constituents and tetrahydrofuran plus indicator parameters and mercury specified in Title 15A NCAC 13B.0566. Surface water samples BW-1, BR-2, BR-3, and SW-1 were analyzed for the NC Appendix I list of constituents. Surface water samples TSW-1 and TSW-2 were analyzed for the NC Appendix I list of VOCs.

2.5 March 2011 Sampling Results for the Closed MSW Landfill

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

As presented, five inorganic constituents (barium, beryllium, cadmium, lead, and zinc) were detected at the MSW landfill at concentrations above their respective Solid Waste Section Limits (SWSLs) in samples from one or more downgradient monitoring wells during the March 2011 monitoring event. Five NC Appendix I VOCs (benzene; chlorobenzene; 1,4-dichlorobenzene; cis-1,2-dichloroethene; and vinyl chloride) were detected above their respective SWSLs in one or more downgradient monitoring wells at the closed MSW landfill during the March 2011 event.

As presented, two NC Appendix I inorganic constituents (barium and zinc) were detected above their respective SWSLs in one or more surface water points during the March 2011 event. Two VOCs (1,4-dichlorobenzene in BR-2 and toluene in TSW-1) were detected above their respective SWSLs in surface water points during the sampling event. No other inorganic or organic constituents were detected above the SWSLs during the March 2011 event.

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

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

One NC Appendix I inorganic constituent (zinc) was detected at the closed C&D landfill in the samples from downgradient monitoring wells MW-12 and MW-13 at concentrations above its respective SWSL during this event. Copper and lead were detected in the sample from the upgradient well MW-10 at concentrations above their respective SWSLs. The concentrations of indicator parameters iron and

manganese in samples from all of the monitoring wells at the closed C&D landfill exceeded their respective SWSLs.

Three NC Appendix I VOCs (methylene chloride, tetrachloroethene, and trichlorofluoromethane) were detected in the sample from well MW-12 above their respective SWSLs during the March 2011 event at the closed C&D landfill. Trichlorofluoromethane was also detected in the sample from MW-13 above the SWSL during the event. Tetrahydrofuran was detected in samples from MW-12 and MW-13 at a quantifiable concentration during the event.

3.0 LABORATORY AND FIELD QA/QC

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

A review of the laboratory data was performed by Golder (Appendix B). Manganese was detected at estimated concentrations in the field blank and selenium was detected at an estimated concentration in the laboratory method blank during this event. Based on Golder's review, the detections of selenium in AMW-1S and SW-1 are considered blank-qualified.

4.0 DATA EVALUATION

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

4.1 North Carolina Groundwater and Surface Water Quality Standard Comparisons

As presented in Tables 3 and 4, inorganic and organic constituents were detected at concentrations that exceeded their respective North Carolina 2L Groundwater Standards (2L Standards) or Solid Waste Section Groundwater Protection Standards (GWPSs) at the MSW and C&D landfills during the March 2011 monitoring event. At the MSW landfill, the concentration of lead exceeded the SWSL and 2L Standard in the sample from AMW-2S. Cobalt, thallium, and vanadium were detected in samples from downgradient wells at estimated concentrations below the SWSL, but above their respective NC 2L or Solid Waste Section Groundwater Protection Standard (GWPS). These constituents have been detected at similar concentrations during previous events. No other NC Appendix I inorganic constituents exceeded their respective 2L Standards or GWPSs during the March 2011 event for the closed MSW facility.

Three NC Appendix I VOCs were detected at concentrations that exceeded their respective 2L Standards in samples from one or more downgradient monitoring wells: benzene in MW-7 and AMW-1D, 1,4-dichlorobenzene in MW-7, and vinyl chloride in MW-7. These detected constituents and

concentrations are generally consistent with reported concentrations during recent events at the closed MSW landfill.

Cobalt and vanadium were detected at estimated concentrations in the samples from upgradient well MW-10 and one or more downgradient wells at the closed C&D landfill below the SWSLs, but above their respective GWPS during the March 2011 event. These metals have been detected at similar concentrations in previous events. The concentrations of indicator parameters iron and manganese in samples from each monitoring well at the closed C&D landfill exceeded their respective 2L Standards. Based on iron and manganese concentrations in recent samples from background well MW-10, the concentrations of iron and manganese in samples from downgradient wells appear to be naturally occurring.

One NC Appendix I VOC (tetrachloroethene in the sample from MW-12) was detected above its SWSL and its 2L Standard during the March 2011 event at the closed C&D landfill. Vinyl chloride was at an estimated concentration below its SWSL, but above the 2L Standard in the sample from MW-13. The detections of VOCs in downgradient monitoring wells may be associated with landfill gas as discussed in an Alternate Source Demonstration (ASD) submitted to NCDENR on March 28, 2010.

Copper in BR-1, silver in BR-2, and zinc in BR-3 were detected in surface water monitoring points above their respective surface water standards during the March 2011 sampling event. The detections of copper and silver were estimated below the SWSL. Zinc has been detected in BR-3 and all other surface water monitoring points at similar concentrations in previous events.

4.2 Statistical Evaluations

As discussed above, five inorganic constituents (barium, beryllium, cadmium, lead, and zinc) were detected above their respective SWSLs during the March 2011 event in samples from one or more downgradient wells of the MSW landfill. The concentrations of barium, beryllium, cadmium, lead, and zinc were statistically evaluated in accordance with the procedures outlined in 15A NCAC 13B.1632(g) and (h) to determine if the reported concentrations exceeded the facility background concentrations. The statistical worksheets are presented as Appendix C. The concentration of zinc in downgradient well MW-8 was determined to be statistically significant during the March 2011 event.

5.0 CONCLUSIONS

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

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

6.0 REFERENCES

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

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

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

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

TABLES

TABLE 1

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

	Monitoring Well																
	MW-5	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10**	**MW-11**	**MW-12**	**MW-13**	**AMW-1S**	**AMW-1D**	**AMW-2S**	**AMW-2D**	**MW-1 (Old)**	**MW-1**	**MW-2 (Old)**	**MW-2**
TOC Elevation (ft AMSL)	2389.82	2204.24	2210.66	2235.87	2260.01	2404.55	2297.01	2300.09	2300.24	2193.09	2190.77	2177.66	2177.58	2206.42	2205.76	2182.77	2182.07
Date	**Static Water Elevation (ft AMSL)**																
10/04/06	2334.31	2191.02	2191.61	2209.54	2244.64	--	--	--	--	2179.83	2176.67	--	--	--	--	--	--
03/21/07	--	--	--	--	--	2371.42	2266.46	2250.25	2252.90	--	--	--	--	--	--	--	--
10/02/07	2331.55	2188.19	2189.95	2207.85	2244.08	--	--	--	--	2176.63	2174.07	--	--	--	--	--	--
04/03/08	2326.17	2190.65	2190.63	2209.61	2244.03	--	--	--	--	2180.41	2177.04	--	--	--	--	--	--
10/29/08	2322.17	2186.73	2188.87	2206.91	2242.52	2364.42	2258.56	2246.56	2245.91	2175.87	2173.56	2168.25	2170.93	--	--	--	--
03/24/09	2319.25	2188.30	2189.28	2208.43	2242.21	2363.04	2256.50	2244.43	2244.51	2178.99	2176.04	2169.29	2172.05	--	--	--	--
09/21-24/09	2326.37	2194.99	2190.56	2209.46	2243.29	2367.33	2258.97	2245.20	2245.56	2180.79	2177.56	2170.17	2174.88	2200.47	2200.58	2174.92	2174.14
03/22-23/10	2342.62	<2185.22	2193.88	2208.53	2236.04	2376.31	2258.18	2250.60	2253.17	2182.71	2178.32	2170.28	2173.33	2200.91	2201.11	2175.02	2164.27
09/21-22/10	2338.34	2189.98	2191.49	2210.62	2245.16	2369.83	2267.16	2250.78	2253.84	2177.74	2173.85	2171.40	2170.92	2199.72	2199.58	2163.77	2171.73
03/15-16/11	2333.36	2194.83	2191.45	2211.13	2245.10	2367.12	2263.36	2248.90	2251.00	2181.44	2176.77	2169.72	2171.74	2200.61	2200.72	2174.81	2173.04
MEAN	*2330.46*	*2190.59*	*2190.86*	*2209.12*	*2243.01*	*2368.50*	*2261.31*	*2248.10*	*2249.56*	*2179.38*	*2175.99*	*2169.85*	*2172.31*	*2200.43*	*2200.50*	*2172.13*	*2170.80*
MAXIMUM	*2342.62*	*2194.99*	*2193.88*	*2211.13*	*2245.16*	*2376.31*	*2267.16*	*2250.78*	*2253.84*	*2182.71*	*2178.32*	*2171.40*	*2174.88*	*2200.91*	*2201.11*	*2175.02*	*2174.14*
MINIMUM	*2319.25*	*2186.73*	*2188.87*	*2206.91*	*2236.04*	*2363.04*	*2256.50*	*2244.43*	*2244.51*	*2175.87*	*2173.56*	*2168.25*	*2170.92*	*2199.72*	*2199.58*	*2163.77*	*2164.27*

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

TABLE 2

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

March 2011							
Gradient Calculation Segment	**Flow Direction**	**Gradient Segment Length (feet)**	**Gradient Segment Elevations (feet)**	**Horizontal Gradient (i, feet)**	**Effective Porosity (n_e)**	**Hydraulic Conductivity (K, cm/sec)**	**Velocity (V_{gw}, feet/year)**
i_1	SW	1892	2340 / 2180	0.0846	0.15	1.26E-04	73.66
i_2	SSW	1280	2340 / 2220	0.0938	0.15	1.26E-04	81.69
i_3	WSW	400	2360 / 2260	0.2500	0.15	1.26E-04	217.75

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

TABLE 3

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

				Upgradient Compliance Well	Downgradient Compliance Wells				Assessment Wells				Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
Antimony	ug/L	12/05/94	6	ND	ND	ND	ND	ND	--	--	--	--	--
SWS GPS = 1.4 ug/L	ug/L	02/14/95	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	6	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	6	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	6	ND	ND	3	ND	ND	--	--	--	--	--
	ug/L	05/14/98	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	6	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	6	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	6	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	6	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	6	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	6	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	6	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	6	ND	ND	ND	ND	0.91 J	ND	ND	--	--	ND
	ug/L	10/02/07	6	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	6	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	6	ND	Dry	ND	0.441 J	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	6	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	6	0.226 J	ND	0.286 J	ND	--	0.460 J	0.382 J	ND	0.365 J	ND
Arsenic	ug/L	12/05/94	10	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 10 ug/L	ug/L	02/14/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	10.1	ND	--	--	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	11.1	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	14.7	ND	21.3	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	ND	0.84 J	0.94 J	0.46 J	ND	1.13 J	ND	--	--	ND
	ug/L	10/02/07	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	10	2.07 J	2.45 J	3.04 J	5.07 J	ND	ND	ND	3.64 J	10.5	ND
	ug/L	10/29/08	10	ND	13.9	7.18 J	ND	ND	ND	5.98 J	5.38 J	2.96 J	ND
	ug/L	03/24/09	10	ND	ND	ND	3.1 J	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	ND	5.40 B	7.18 B	ND	--	ND	ND	ND	ND	2.90 J
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	10	ND	5.27 J	ND	4.58 J	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Barium	ug/L	12/05/94	100	134	237	378	528	207	--	--	--	--	--
NC 2L = 700 ug/L	ug/L	02/14/95	100	ND	416	439	601	205	--	--	--	--	--
	ug/L	04/03/95	100	174	493	350	786	197	--	--	--	--	--
	ug/L	10/30/95	100	348	539	230	835	358	--	--	--	--	--
	ug/L	04/08/96	100	199	332	264	790	140	--	--	--	--	--
	ug/L	10/24/96	100	300	--	338	925	285	--	--	--	--	--
	ug/L	04/15/97	100	180	--	300	810	360	--	--	--	--	--
	ug/L	10/29/97	100	200	700	500	700	100	--	--	--	--	--
	ug/L	05/14/98	100	ND	ND	ND	628	ND	--	--	--	--	--
	ug/L	10/11/98	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	100	ND	ND	ND	552	ND	--	--	--	--	--
	ug/L	10/29/99	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	100	ND	ND	ND	ND	ND	258	--	--	--	--
	ug/L	11/07/00	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	100	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	100	ND	ND	ND	604	ND	--	--	--	--	--
	ug/L	10/16/01	100	ND	178	116	298	ND	--	ND	--	--	--
	ug/L	04/24/02	100	ND	ND	ND	642	ND	ND	ND	--	--	--
	ug/L	10/01/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	100	ND	ND	ND	522	ND	ND	ND	--	--	--
	ug/L	10/20/03	100	ND	ND	ND	720	ND	ND	ND	--	--	--
	ug/L	03/24/04	100	ND	ND	ND	829	ND	ND	ND	--	--	--
	ug/L	10/27/04	100	ND	530	ND	866	ND	ND	ND	--	--	--
	ug/L	05/25/05	100	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	100	ND	ND	ND	982	ND	ND	ND	--	--	--
	ug/L	04/25/06	100	ND	687	ND	822	ND	ND	ND	--	--	--
	ug/L	10/04/06	100	ND	562	ND	920	ND	ND	ND	--	--	ND
	ug/L	03/21/07	100	47.5 J	136	294	992	49.9 J	306	27.2 J	--	--	ND
	ug/L	10/02/07	100	135	904	198	695	54.3 B	563	37.4 B	--	--	16.1 J
	ug/L	04/03/08	100	87.8 J	86.8 J	144	714	65.9 J	476	20.3 B	44.3 B	39.4 B	10.1 J
	ug/L	10/29/08	100	69.9 J	795	227	429	62.1 J	930	28.2	24.9 J	19.4 J	ND
	ug/L	03/24/09	100	26.2 J	54.5 J	203	517	56.7 J	221	19.0 J	15.4 J	ND	ND
	ug/L	09/22/09	100	31.5 J	48.9 J	259	916	--	323	11.7 J	19.1 J	5.46 J	ND
	ug/L	03/22/10	100	28.2 J	Dry	268	693	--	79.9 J	23.1 J	9.57 J	4.16 B	1.54 J
	ug/L	09/23/10	100	34.3 J	335	302	1130	--	86.5 J	13.1 J	7.69 J	1.79 J	ND
	ug/L	03/16/11	100	71.3 J	39.4 J	417	414	--	216	8.14 J	85.4 J	2.71 J	ND
Beryllium	ug/L	12/05/94	1	ND	ND	3	7	ND	--	--	--	--	--
SWS GPS = 4 ug/L	ug/L	02/14/95	1	ND	ND	4	5	ND	--	--	--	--	--
	ug/L	04/03/95	1	ND	2	3	9	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	5	ND	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	ND	4	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	4	ND	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	ND	8	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	3	3	14	1	--	--	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	2.4	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	1	4.2	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	1.06 J	ND	5.1 J	ND	--	--	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	22.8 B	ND	ND	--	--	6.01
	ug/L	04/03/08	1	1.07	2.8	6.28	ND	1.54	5.41	3.2	ND	2.33	ND
	ug/L	10/29/08	1	4.60	5.96	2.23	10.2	11.2	10.7	5.45	10.7	2.23	ND
	ug/L	03/24/09	1	0.35 J	0.20 J	0.82 J	3.02	0.35 J	1.30	ND	0.18 J	ND	ND
	ug/L	09/22/09	1	0.438 J	0.299 J	0.771 J	1.26	--	0.438 J	ND	0.470 J	ND	ND
	ug/L	03/22/10	1	ND	Dry	0.635 J	ND	--	0.631 J	ND	ND	0.247 J	ND
	ug/L	09/23/10	1	0.198 J	ND	0.570 J	ND	--	0.492 J	ND	ND	ND	ND
	ug/L	03/16/11	1	0.208 J	ND	0.422 J	ND	--	1.06	ND	1.80	ND	ND

Golder Associates

TABLE 3

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

				Upgradient Compliance Well	Downgradient Compliance Wells				Assessment Wells				Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
Cadmium	ug/L	12/05/94	1	ND	ND	22	ND	ND	--	--	--	--	--
NC 2L = 2 ug/L	ug/L	02/14/95	1	ND	ND	3	ND	ND	--	--	--	--	--
	ug/L	04/03/95	1	ND	ND	1	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	9	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	1	ND	5.6	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	1.2	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	1	ND	2.3	1.7	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	1	ND	15	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	3.2	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	2	--	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	1	ND	2	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	2	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	1.35	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	3.34	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	11.6	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	1.31	1.28	1.08	ND	1	ND	--	--	--
	ug/L	05/25/05	1	ND	1.9	1.02	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	1.39	ND	ND	2.57	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	1.73 J	1.27	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	1.57 J	0.65 J	2.35 J	2.08 J	1.4 J	2.5 J	1.38 J	--	--	ND
	ug/L	10/02/07	1	ND	ND	1.63	0.4 J	ND	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	0.2 J	0.9 J	0.47 J	ND	0.29 J	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	3.09	0.43 J	0.2 J	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	0.22 J	0.18 J	1.06	ND	0.61 J	ND	ND	ND	ND
	ug/L	09/22/09	1	0.667 J	ND	0.659 J	0.627 J	--	ND	ND	1.24	ND	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	0.493 J	0.618 J	--	0.416 J	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	0.517 J	ND	ND	--	1.07	ND	ND	ND	ND
Chromium	ug/L	12/05/94	10	ND	ND	56	ND	ND	--	--	--	--	--
NC 2L = 10 ug/L	ug/L	02/14/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	11	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	10	5	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	10	3	--	ND	2	2	--	--	--	--	--
	ug/L	10/29/97	10	3	8	2	2	1	--	--	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	20.1	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	14.9	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	11.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	11.3	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	3.33 J	3.81 J	6.01 J	4.12 J	1.44 J	2.7 J	1.29 J	--	--	ND
	ug/L	10/02/07	10	9.55 B	9.44 B	7.31 B	4.47 B	3.67 B	5.99 B	12.3 B	--	--	3.67 J
	ug/L	04/03/08	10	6.54 B	4.93 B	4.18 B	4.42 B	2.45 B	4.18 B	3.31 B	4.18 B	130	2.94 J
	ug/L	10/29/08	10	7.45 J	35.5	8.07 J	6.10 J	4.63 J	8.55	11.3	5.24 J	13.7	ND
	ug/L	03/24/09	10	ND	1.0 J	1.6 J	4.0 J	ND	1.2 J	ND	ND	1.5 J	ND
	ug/L	09/22/09	10	1.36 J	ND	1.99 J	3.28 J	--	1.14 J	ND	1.61 J	1.51 J	ND
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	10	ND	ND	1.50 J	4.38 J	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	10	2.55 J	1.32 J	2.90 J	3.29 J	--	1.60 J	ND	3.34 J	ND	ND
Cobalt	ug/L	12/05/94	10	ND	41	ND	ND	ND	--	--	--	--	--
SWS GPS = 70 ug/L	ug/L	02/14/95	10	ND	48	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	10	ND	38	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	ND	34	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	10	ND	32	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	10	2	--	19	2	3	--	--	--	--	--
	ug/L	10/29/97	10	ND	19	7	ND	ND	--	--	--	--	--
	ug/L	05/14/98	10	ND	53.4	17.3	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	10	ND	52.3	11.5	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	10	ND	ND	12.5	ND	ND	14.3	--	--	--	--
	ug/L	11/07/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	14	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	10	ND	17.9	ND	ND	ND	16.1	ND	--	--	--
	ug/L	10/01/02	10	ND	11.4	ND	ND	ND	11.7	ND	--	--	--
	ug/L	04/09/03	10	ND	13.1	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	32.1	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	94.9	16	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	120	18.5	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	35.5	16.8	--	ND	13.4	ND	--	--	--
	ug/L	10/04/05	10	ND	23.5	16.2	ND	ND	16.1	ND	--	--	--
	ug/L	04/25/06	10	ND	18.8	13.9	ND	ND	16.1	ND	--	--	--
	ug/L	10/04/06	10	ND	15.4	13.4	ND	ND	18.9	ND	--	--	ND
	ug/L	03/21/07	10	1.13 J	11.3	12.6	1.5 J	ND	16.2	ND	--	--	ND
	ug/L	10/02/07	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	10	ND	12.4	ND	ND	ND	15.1	ND	12.5	ND	ND
	ug/L	10/29/08	10	3.55 J	35.9	5.16 J	3.74 J	ND	24.8	ND	3.91 J	ND	ND
	ug/L	03/24/09	10	0.6 J	3.1 J	ND	5.8 J	ND	10.7	ND	4.0 J	ND	ND
	ug/L	09/22/09	10	ND	4.81 J	ND	2.50 J	--	10.8	ND	ND	ND	ND
	ug/L	03/22/10	10	ND	Dry	ND	6.33 J	--	3.47 J	ND	ND	ND	ND
	ug/L	09/23/10	10	ND	2.13 J	ND	9.21 J	--	3.42 J	ND	ND	ND	ND
	ug/L	03/16/11	10	ND	ND	ND	2.87 J	--	8.51 J	ND	1.26 J	ND	ND
Copper	ug/L	12/05/94	10	ND	ND	19	ND	ND	--	--	--	--	--
NC 2L = 1000 ug/L	ug/L	02/14/95	10	10	ND	ND	ND	16	--	--	--	--	--
	ug/L	04/03/95	10	ND	ND	13	12	14	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	13	--	ND	ND	10	--	--	--	--	--
	ug/L	04/15/97	10	20	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	10	20	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	12.4	12.8	4.23 J	5.28 J	9.92 J	5.41 J	5.15 J	--	--	ND
	ug/L	10/02/07	10	33.9	16.7 B	6.61 B	7.24 B	5.94 B	9.14 B	6.91 B	--	--	6.41 J
	ug/L	04/03/08	10	23.4	23.9	4.54 B	6.53 B	4.58 B	5.54 B	5.75 B	5.89 B	10.6 B	4.46 J
	ug/L	10/29/08	10	16.5	145	7.91 J	8.17 J	6.28 J	8.61	9.49	6.93 J	7.82 J	ND
	ug/L	03/24/09	10	2.32 J	4.96 J	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	5.15 J	6.17 J	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	10	1.84 J	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	10	1.77 J	ND	ND	9.93 J	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	10	9.85 J	6.75 J	ND	2.99 J	--	1.73 J	1.66 J	4.98 J	ND	ND

TABLE 3

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

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

TABLE 3

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

				Upgradient Compliance Well	Downgradient Compliance Wells				Assessment Wells				Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
Silver	ug/L	12/05/94	10	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 20 ug/L	ug/L	02/14/95	10	ND	ND	ND	ND	11	--	--	--	--	--
	ug/L	04/03/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	10	0.9	--	0.9	0.7	0.3	--	--	--	--	--
	ug/L	10/29/97	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	11.3	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	ND	0.64 J	3.42 J	0.5 J	3.18 J	1.14 J	0.46 J	--	--	ND
	ug/L	10/02/07	10	ND	1.82 J	0.91 J	ND	ND	0.86 J	ND	--	--	ND
	ug/L	04/03/08	10	ND	0.97 J	2.04 J	ND	ND	0.94 J	ND	1.48 J	ND	ND
	ug/L	10/29/08	10	4.74 J	6.91 J	5.23 J	5.00 J	5.24 J	6.32 J	5.19 J	4.91 J	4.33 J	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	ND	ND	ND	ND	--	2.24 J	ND	ND	ND	ND
	ug/L	03/22/10	10	ND	Dry	ND	3.34 J	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	10	ND	2.52 J	ND	3.05 J	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Thallium	ug/L	12/05/94	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 0.28 ug/L	ug/L	02/14/95	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5.5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5.5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5.5	1	1	1	1	2	--	--	--	--	--
	ug/L	05/14/98	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	5.5	13.7	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	5.5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	5.5	--	--	--	--	--	--	--	--	--	--
	ug/L	06/21/01	5.5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5.5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	5.5	ND	22.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	5.5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	5.5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5.5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5.5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5.5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5.5	ND	77.1	22	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	5.5	ND	58.5	54.6	17.8	ND	ND	ND	--	--	--
	ug/L	04/25/06	5.5	ND	81.3	24.2	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5.5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5.5	ND	ND	24	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	5.5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	5.5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/29/08	5.5	ND	8.90	ND	6.97	ND	9.61	ND	--	--	ND
	ug/L	03/24/09	5.5	0.051 B	0.090 B	0.080 B	0.242 B	ND	0.280 B	ND	ND	ND	0.092 J
	ug/L	09/22/09	5.5	ND	ND	ND	0.404 J	--	0.212 J	ND	ND	ND	ND
	ug/L	03/22/10	5.5	ND	Dry	0.118 J	0.620 J	--	0.169 J	ND	ND	ND	ND
	ug/L	09/23/10	5.5	ND	ND	0.124 J	1.18 J	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	5.5	ND	ND	0.516 J	1.12 J	--	0.274 J	0.491 J	0.514 J	ND	ND
Tin	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
No Standard	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/11/98	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/04/99	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/99	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/20/00	--	--	--	--	--	--	--	--	--	--	--
	ug/L	11/07/00	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/16/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/24/02	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/01/02	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/09/03	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/20/03	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/24/04	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/27/04	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/25/05	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/04/05	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/25/06	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/04/06	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	03/21/07	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	10/02/07	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	04/03/08	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	10/29/08	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	03/24/09	100	ND	ND	1.4 J	5.4 J	ND	1.3 J	2.0 J	1.5 J	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	100	ND	Dry	ND	2.38 J	--	--	--	--	--	ND
	ug/L	03/16/11	100	2.50 J	3.17 J	5.65 J	7.24 J	--	--	--	--	--	ND
Vanadium	ug/L	12/05/94	25	ND	ND	ND	ND	ND	--	--	--	--	--
SWS GPS = 3.5 ug/L	ug/L	02/14/95	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	25	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	25	13	--	ND	5	6	--	--	--	--	--
	ug/L	10/29/97	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	25	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	25	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	25	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	25	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	25	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	25	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	25	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	25	3.81 J	4.21 J	ND	1.31 J	ND	ND	ND	--	--	ND
	ug/L	10/02/07	25	17.1 J	12.9 J	5.6 J	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	25	9.73 J	10.7 J	ND	ND	ND	ND	ND	ND	5.13 J	ND
	ug/L	10/29/08	25	4.88 J	88.9	10.3 J	0.52 J	ND	1.37 J	3.74 J	0.86 J	ND	ND
	ug/L	03/24/09	25	2.2 J	3.2 J	1.7 J	9.0 J	0.7 J	ND	ND	3.0 J	0.9 J	ND
	ug/L	09/22/09	25	3.31 J	1.97 J	ND	5.45 J	--	ND	ND	6.35 J	1.52 J	ND
	ug/L	03/22/10	25	1.75 J	Dry	ND	1.76 J	--	ND	ND	1.78 J	1.42 J	ND
	ug/L	09/23/10	25	ND	ND	ND	14.7 J	--	ND	ND	4.79 J	ND	ND
	ug/L	03/16/11	25	4.98 J	2.77 J	ND	ND	--	ND	ND	15.3 J	ND	ND

Golder Associates

TABLE 3

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

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

Golder Associates

TABLE 3

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

				Upgradient Compliance Well	Downgradient Compliance Wells				Assessment Wells				Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
Carbon disulfide	ug/L	02/14/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 700 ug/L	ug/L	04/03/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	12/05/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	100	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	100	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	100	ND	15	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	100	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	100	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	100	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	100	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	100	ND	ND	ND	0.14 J	ND	ND	ND	--	--	ND
	ug/L	04/03/08	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	100	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	100	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	100	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	100	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Carbon tetrachloride	ug/L	02/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 0.3 ug/L	ug/L	04/03/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	12/05/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	ND	2	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	12/05/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 50 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	7	3	ND	ND	--	--	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	8	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5	ND	7	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	5	ND	ND	ND	ND	ND	8	--	--	--	--
	ug/L	11/07/00	5	ND	7	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	6	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	7	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	5	ND	6	ND	ND	ND	7	ND	--	--	--
	ug/L	10/01/02	5	ND	8	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	6	ND	--	--	--
	ug/L	10/20/03	5	ND	10	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	11	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	13	5	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	6	--	ND	6.12	ND	--	--	--
	ug/L	10/04/05	5	ND	13.4	6	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	10.8	6.02	ND	ND	9.62	ND	--	--	--
	ug/L	10/04/06	5	ND	9	6	ND	ND	16.2	ND	--	--	ND
	ug/L	03/21/07	5	ND	1.34	5.89	0.59 J	ND	2.83	4.62	--	--	ND
	ug/L	10/02/07	5	ND	6.16	5.95	0.83 J	ND	ND	5.13	--	--	ND
	ug/L	04/03/08	5	ND	0.30 J	5.72	1.14 J	ND	11.3	5.01	4.50	ND	ND
	ug/L	10/29/08	5	ND	8.02	5.41	1.11 J	ND	23.8	5.09	1.86 J	ND	ND
	ug/L	03/24/09	3	ND	ND	4.6	ND	ND	0.46 J	3.8	2.0 J	ND	ND
	ug/L	09/22/09	3	ND	ND	5.7	0.75 J	--	4.9	4.9	1.0 J	ND	ND
	ug/L	03/22/10	3	ND	Dry	6.4	ND	--	ND	4.6	0.97 J	ND	ND
	ug/L	09/23/10	3	ND	7.5	6.3	ND	--	ND	4.2	0.55 J	ND	ND
	ug/L	03/16/11	3	ND	ND	7.3	ND	--	ND	4.5	1.2 J	ND	ND
Chloroethane	ug/L	12/05/94	10	ND	ND	ND	ND	ND	--	--	--	--	--
SWS GPS = 2800 ug/L	ug/L	02/14/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	10	ND	2	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	10	ND	0.85 J	ND	0.69 J	ND	11.1	ND	--	--	ND
	ug/L	04/03/08	10	ND	ND	ND	0.87 J	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	10	ND	ND	ND	0.68 J	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	10	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	--	ND	ND	ND	ND	ND

TABLE 3

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

				Upgradient Compliance Well	Downgradient Compliance Wells				Assessment Wells				Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
1,2-Dichlorobenzene	ug/L	12/05/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 20 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	1	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	5	ND	ND	14	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	5	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	7	ND	6	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	6	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	12	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	10	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	10	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	0.39 J	ND	0.97 J	ND	ND	0.62 J	--	--	ND
	ug/L	10/02/07	5	ND	2.52 J	0.56 J	0.94 J	ND	0.44 J	0.67 J	--	--	ND
	ug/L	04/03/08	5	ND	ND	0.46 J	1.35 J	ND	0.23 J	0.65 J	0.27 J	ND	ND
	ug/L	10/29/08	5	ND	1.98 J	0.45 J	1.12 J	ND	0.52 J	0.63 J	0.29 J	ND	ND
	ug/L	03/24/09	5	ND	ND	ND	0.44 J	ND	ND	0.53 J	ND	ND	ND
	ug/L	09/22/09	5	ND	ND	ND	0.66 J	--	ND	0.46 J	ND	ND	ND
	ug/L	03/22/10	5	ND	Dry	0.49 J	ND	--	ND	0.64 J	ND	ND	ND
	ug/L	09/23/10	5	ND	3.6 J	0.52 J	ND	--	ND	0.64 J	ND	ND	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	--	ND	0.71 J	ND	ND	ND
1,3-Dichlorobenzene	ug/L	12/05/94	5	--	--	--	--	--	--	--	--	--	--
NC 2L = 170 ug/L	ug/L	02/14/95	5	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	9	ND	ND	--	--	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/99	5	--	--	--	--	--	--	--	--	--	--
	ug/L	04/20/00	5	--	--	--	--	--	--	--	--	--	--
	ug/L	11/07/00	5	--	--	--	--	--	--	--	--	--	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/16/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	04/24/02	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/01/02	5	--	--	--	--	--	--	--	--	--	--
	ug/L	04/09/03	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/20/03	5	--	--	--	--	--	--	--	--	--	--
	ug/L	03/24/04	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/27/04	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/25/05	5	--	--	--	--	ND	--	--	--	--	--
	ug/L	10/04/05	5	ND	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	5	ND	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	12/05/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 6 ug/L	ug/L	02/14/95	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	5	ND	11	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	10	5	ND	ND	--	--	--	--	--
	ug/L	04/08/96	5	ND	--	9	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	8	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5	ND	--	24	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	9	10	ND	ND	--	--	--	--	--
	ug/L	05/14/98	5	ND	18	22	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	18	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5	ND	18	10	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	7	ND	ND	--	--	--	--	--
	ug/L	04/20/00	5	ND	5	18	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	5	ND	ND	8	ND	ND	--	--	--	--	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	14	6	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	12	7	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	5	ND	18	8	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	14	9	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	ND	12	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	23	13	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	20	19	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	17.8	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	25.4	17	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	24.3	16.4	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	18.5	14.6	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	1.67 J	17.1	2.79 J	ND	1.37	2.86 J	--	--	ND
	ug/L	10/02/07	5	ND	18.7	12.0	3.64 J	ND	3.24 J	2.99 J	--	--	ND
	ug/L	04/03/08	5	ND	0.38 J	8.37	4.50 J	ND	1.57 J	2.77 J	2.11 J	ND	ND
	ug/L	10/29/08	5	ND	23.9	7.81	4.44 J	ND	4.11 J	2.96 J	1.66 J	ND	ND
	ug/L	03/24/09	1	ND	ND	6.4	1.3	ND	0.57 J	2.6	1.4	ND	ND
	ug/L	09/22/09	1	ND	ND	6.8	2.4	--	1.4	2.1	1.0	ND	ND
	ug/L	03/22/10	1	ND	Dry	9.8	ND	--	ND	3.2	1.2	ND	ND
	ug/L	09/23/10	1	ND	15	8.8	ND	--	ND	3.4	0.91 J	ND	ND
	ug/L	03/16/11	1	ND	ND	10	ND	--	ND	3.2	1.3	ND	ND
Dichlorodifluoromethane	ug/L	12/05/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 1000 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	5	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	ND	--	--	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	5	ND	ND	ND	0.65 J	0.45 J	ND	ND	ND	ND	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	ND	ND	0.55 J	0.86 J	ND	ND
	ug/L	09/22/09	5	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	5	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	--	--	--	--	--	ND

TABLE 3

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

				Upgradient Compliance Well	Downgradient Compliance Wells				Assessment Wells				Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
1,1-Dichloroethane	ug/L	12/05/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 6 ug/L	ug/L	02/14/95	5	ND	ND	9	ND	ND	--	--	--	--	--
	ug/L	04/03/95	5	ND	--	7	ND	--	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	10	ND	ND	--	--	--	--	--
	ug/L	04/08/96	5	ND	ND	6	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	8	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	1	7	ND	1	--	--	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	6	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5	ND	ND	5	6	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	5	ND	ND	ND	5	ND	ND	--	--	--	--
	ug/L	11/07/00	5	ND	ND	ND	6	ND	--	--	--	--	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	14	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	11	ND	--	ND	--	--	--
	ug/L	04/24/02	5	ND	ND	ND	25	ND	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	ND	ND	17	ND	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	ND	ND	24	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	18	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	ND	10	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	13	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	ND	ND	6	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	ND	1.69	7.8	ND	ND	1.31	--	--	ND
	ug/L	10/02/07	5	ND	0.45 J	1.66 J	9.7	ND	0.1 J	1.27 J	--	--	ND
	ug/L	04/03/08	5	ND	ND	1.72 J	13.1	ND	ND	1.36 J	0.98 J	ND	ND
	ug/L	10/29/08	5	ND	0.40 J	1.32 J	13.5	0.11 J	ND	1.36 J	1.33 J	ND	ND
	ug/L	03/24/09	5	ND	ND	0.83 J	3.6 J	ND	ND	1.2 J	1.1 J	ND	ND
	ug/L	09/22/09	5	ND	ND	0.75 J	8.9	--	ND	1.0 J	1.3 J	ND	ND
	ug/L	03/22/10	5	ND	Dry	0.64 J	ND	--	ND	0.76 J	0.90 J	ND	ND
	ug/L	09/23/10	5	ND	ND	0.64 J	ND	--	ND	0.87 J	0.84 J	ND	ND
	ug/L	03/16/11	5	ND	ND	0.56 J	ND	--	ND	0.91 J	1.0 J	ND	ND
1,2-Dichloroethane	ug/L	12/05/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 0.4 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	5	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	3	ND	0.45 J	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	12/05/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 7 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	5	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	5	ND	ND	ND	0.33 J	ND	ND	ND	--	--	ND
	ug/L	04/03/08	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	5	ND	ND	ND	0.15 J	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	5	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	5	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	5	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	12/05/94	5	ND	--	24	11	ND	--	--	--	--	--
NC 2L = 70 ug/L	ug/L	02/14/95	5	ND	9	ND	8	ND	--	--	--	--	--
	ug/L	04/03/95	5	ND	7	17	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	10	25	10	ND	--	--	--	--	--
	ug/L	04/08/96	5	ND	7	17	7	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	21	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5	ND	--	14	15	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	4	20	3	6	--	--	--	--	--
	ug/L	05/14/98	5	ND	ND	14	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	21	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5	ND	6	17	ND	12	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	17	ND	26	--	--	--	--	--
	ug/L	04/20/00	5	ND	ND	13	ND	16	ND	--	--	--	--
	ug/L	11/07/00	5	ND	ND	15	ND	12	--	--	--	--	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	14	7	8	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	13	ND	10	--	ND	--	--	--
	ug/L	04/24/02	5	ND	ND	15	11	6	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	ND	12	7	ND	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	ND	11	18	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	11	22	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	10	13	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	10.5	26.2	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	10.6	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	ND	12.1	12.8	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	ND	12.8	12.3	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	ND	14.2	15.7	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	0.48 J	12.7	22.1	ND	ND	2.3	--	--	ND
	ug/L	10/02/07	5	ND	1.19 J	12.4 J	23.9 J	ND	0.71 J	2.14 J	--	--	ND
	ug/L	04/03/08	5	ND	0.05 J	12.2	30.6	ND	0.35 J	2.25 J	1.85 J	ND	ND
	ug/L	10/29/08	5	ND	0.2 J	9.8	28.9	0.24 J	0.27 J	2.27 J	2.36 J	ND	ND
	ug/L	03/24/09	5	ND	ND	4.9 J	7.4	ND	ND	1.7 J	1.7 J	ND	ND
	ug/L	09/22/09	5	ND	ND	6.1	19	--	ND	2.0 J	2.5 J	ND	ND
	ug/L	03/22/10	5	ND	Dry	7.0	0.66 J	--	ND	2.0 J	2.1 J	ND	ND
	ug/L	09/23/10	5	ND	ND	5.2	ND	--	ND	1.7 J	1.2 J	ND	ND
	ug/L	03/16/11	5	ND	ND	6.4	0.89 J	--	ND	2.6 J	2.0 J	ND	ND

TABLE 3

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

				Upgradient Compliance Well	Downgradient Compliance Wells				Assessment Wells				Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
trans-1,2-Dichloroethene	ug/L	12/05/94	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 100 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	5	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	5	ND	ND	0.50 J	0.22 J	ND	ND	ND	--	--	ND
	ug/L	04/03/08	5	ND	ND	0.44 J	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	5	ND	ND	0.26 J	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	5	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	5	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	5	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	12/05/94	1	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 0.6 ug/L	ug/L	02/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	1	ND	ND	--	--	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	0.2 J	0.65 J	0.5 J	ND	ND	0.17 J	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	ND	ND	ND	ND	0.12 J	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	0.5 J	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	12/05/94	1	ND	11	ND	ND	ND	--	--	--	--	--
NC 2L = 600 ug/L	ug/L	02/14/95	1	ND	14	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	1	ND	8	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	10	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	1	ND	9	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	3	ND	2	ND	--	--	--	--	--
	ug/L	05/14/98	1	ND	8	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	1	ND	11	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	9	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	22.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	28	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	12.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	15.7	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	0.96 J	ND	1.04	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	3.46	ND	1.24 J	ND	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	1.37 J	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	0.22 J	ND	1.62	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	0.95 J	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	1	ND	2.1	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
2-Hexanone	ug/L	12/05/94	50	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 280 ug/L	ug/L	02/14/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	50	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	50	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	50	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	50	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	50	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	50	ND	55	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	50	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	50	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	50	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	50	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	50	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	50	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	50	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	50	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	50	ND	ND	ND	ND	--	ND	ND	ND	ND	ND

TABLE 3

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

				Upgradient Compliance Well	Downgradient Compliance Wells				Assessment Wells				Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
Dibromomethane	ug/L	12/05/94	10	ND	ND	ND	ND	ND	--	--	--	--	--
No Standard	ug/L	02/14/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	10	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	10	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	10	ND	ND	ND	0.26 J	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	10	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Methylene chloride	ug/L	12/05/94	10	ND	ND	ND	7	ND	--	--	--	--	--
NC 2L = 5 ug/L	ug/L	02/14/95	10	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	10	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	10	ND	ND	--	--	--	--	--
	ug/L	04/08/96	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	10	ND	--	9	ND	ND	--	--	--	--	--
	ug/L	04/15/97	10	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	10	ND	ND	ND	ND	1	--	--	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	52	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	38	ND	--	ND	--	--	--
	ug/L	04/24/02	10	ND	ND	ND	87	ND	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	ND	ND	44	ND	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	ND	ND	54	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	27	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	30	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	42.1	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	ND	ND	13.4	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	13.9	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	15.1	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	ND	ND	0.35 J	23.3	ND	ND	0.24 J	--	--	ND
	ug/L	10/02/07	10	ND	0.57 B	ND	22.0	ND	ND	ND	--	--	0.41 J
	ug/L	04/03/08	10	ND	ND	0.34 B	34.2	ND	ND	ND	ND	3.10 J	0.42 J
	ug/L	10/29/08	10	ND	ND	0.27 J	33.7	0.75 J	ND	0.42 J	0.92 J	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	21	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
2-Butanone	ug/L	12/05/94	100	ND	10	ND	ND	ND	--	--	--	--	--
NC 2L = 4000 ug/L	ug/L	02/14/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	100	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	100	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	100	ND	46	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	100	ND	220	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	100	ND	670	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	100	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	100	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	100	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	100	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	100	ND	ND	1.68 J	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	100	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	100	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	100	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	100	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ug/L	12/05/94	50	ND	16	ND	ND	ND	--	--	--	--	--
SWS GPS = 560 ug/L	ug/L	02/14/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	50	ND	20	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	50	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	50	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	50	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	100	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	100	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	100	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	100	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	100	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	100	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	100	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	100	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	100	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	100	ND	ND	ND	ND	--	ND	ND	ND	ND	ND

TABLE 3

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

				Upgradient Compliance Well	Downgradient Compliance Wells				Assessment Wells				Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
Naphthalene	ug/L	12/05/94	5	--	--	--	--	--	--	--	--	--	--
NC 2L = 6 ug/L	ug/L	02/14/95	5	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5	--	2	--	--	--	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	2	ND	ND	--	--	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	9	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	10	ND	7	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	7	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	6	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	8	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	6	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	6	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	ND	ND	0.66 J	0.57 J	ND	ND	ND	--	--	ND
	ug/L	10/02/07	10	ND	3.04	1.49	0.75	ND	ND	ND	--	--	ND
	ug/L	04/03/08	10	ND	ND	ND	0.76 J	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	10	ND	ND	ND	0.55 J	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	--	--	--	--	--	ND
Tetrachloroethene (PCE)	ug/L	12/05/94	1	ND	ND	6.6	9	ND	--	--	--	--	--
NC 2L = 0.7 ug/L	ug/L	02/14/95	1	ND	ND	7	7	6	--	--	--	--	--
	ug/L	04/03/95	1	ND	ND	6.3	ND	6	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	5	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	9	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	ND	15	16	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	4	4	16	--	--	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	19	13	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	15	15	--	--	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	44	27	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	27	31	--	--	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	69	30	ND	--	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	54	36	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	110	24	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	44	11	--	ND	--	--	--
	ug/L	04/24/02	1	ND	ND	ND	170	24	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	ND	ND	110	20	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	ND	ND	120	11	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	61	8	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	32	8.12	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	52	6.96	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	16.2	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	10	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	21	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	28.8	2.17	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	ND	ND	42.1	1.79 J	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	47.9	2.32 J	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	48.5	1.98	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	8.7	2.7	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	25	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	1	ND	Dry	ND	0.80 J	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Toluene	ug/L	12/05/94	1	ND	5	ND	ND	ND	--	--	--	--	--
NC 2L = 600 ug/L	ug/L	02/14/95	1	ND	7	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	9	ND	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	1	ND	150	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	1	ND	59	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	11	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	5	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	878	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	1220	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	132	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	16	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	12	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	0.3 J	ND	1.05	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	1.08 J	0.11 J	1.62 J	ND	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	0.11 B	ND	1.30 B	ND	ND	ND	ND	ND	0.60 J
	ug/L	10/29/08	1	ND	4.33	ND	0.99 J	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	0.98 J	1.6	0.48 J	0.96 J	--	0.42 J	0.93 J	0.63 J	1.3	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	1	ND	3.1	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	12/05/94	1	ND	ND	--	ND	--	--	--	--	--	--
NC 2L = 200 ug/L	ug/L	02/14/95	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	04/03/95	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	--	ND	--	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	--	ND	--	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	05/14/98	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	06/04/99	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	04/20/00	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	11/07/00	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	--	6	--	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	--	6	--	--	--	--	--	--
	ug/L	04/24/02	1	ND	ND	--	9	--	--	--	--	--	--
	ug/L	10/01/02	1	ND	ND	--	5	--	--	--	--	--	--
	ug/L	04/09/03	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/20/03	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	03/24/04	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/27/04	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	05/25/05	1	ND	ND	--	--	ND	--	--	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	ND	ND	0.18 J	ND	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	0.23 J	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	0.13 J	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND

TABLE 3

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

				Upgradient Compliance Well	Downgradient Compliance Wells				Assessment Wells				Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
Trichloroethene	ug/L	12/05/94	1	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 3 ug/L	ug/L	02/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	2	ND	2	--	--	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	6	ND	ND	--	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	14	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	8	ND	--	--	--	--	--
	ug/L	04/24/02	1	ND	ND	ND	20	ND	ND	--	--	--	--
	ug/L	10/01/02	1	ND	ND	ND	13	ND	ND	--	--	--	--
	ug/L	04/09/03	1	ND	ND	ND	27	ND	ND	--	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	26	ND	ND	--	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	13	ND	ND	--	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	17.5	ND	ND	--	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	--	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	5	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	7	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	0.48 J	12	ND	ND	0.31 J	--	--	ND
	ug/L	10/02/07	1	ND	ND	0.41 J	15.5	ND	ND	0.3 J	--	--	ND
	ug/L	04/03/08	1	ND	ND	0.47 J	18.1	ND	ND	0.28 J	0.30 J	ND	ND
	ug/L	10/29/08	1	ND	ND	0.32 J	18.2	0.16 J	ND	0.33 J	0.45 J	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	9.5	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	--	ND	ND	0.44 J	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	12/05/94	1	ND	ND	ND	ND	ND	--	--	--	--	--
SWS GPS = 0.18 ug/L	ug/L	02/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	2.77	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	12/05/94	1	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 2100 ug/L	ug/L	02/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	13	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	7	ND	--	--	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	10	ND	ND	--	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	15	ND	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	14	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	19	ND	--	ND	--	--	--
	ug/L	04/24/02	1	ND	ND	ND	13	ND	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	ND	ND	15	ND	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	ND	ND	8	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	2.23 J	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	ND	1.63 J	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	ND	4.43	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Vinyl chloride	ug/L	12/05/94	1	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 0.03 ug/L	ug/L	02/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	1	ND	2	5	2	1	--	--	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	0.43 J	2.35	ND	ND	ND	0.94 J	--	--	ND
	ug/L	10/02/07	1	ND	1.03 J	2.68 J	0.31 J	ND	ND	0.89 J	--	--	ND
	ug/L	04/03/08	1	ND	ND	2.94 J	ND	ND	ND	0.98 J	0.59 J	ND	ND
	ug/L	10/29/08	1	ND	0.25 J	2.36	0.49 J	ND	ND	0.82 J	0.57 J	ND	ND
	ug/L	03/24/09	1	ND	ND	1.5	ND	ND	ND	0.60 J	0.53 J	ND	ND
	ug/L	09/22/09	1	ND	ND	1.4	ND	--	ND	0.67 J	ND	ND	ND
	ug/L	03/22/10	1	ND	Dry	1.2	ND	--	ND	0.60 J	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	1.2	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	1.3	ND	--	ND	ND	ND	ND	ND

TABLE 3

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

				Upgradient Compliance Well	Downgradient Compliance Wells				Assessment Wells				Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
Xylenes (Total)	ug/L	12/05/94	5	ND	70	ND	130	ND		--	--	--	--
NC 2L = 500 ug/L	ug/L	02/14/95	5	ND	68	ND	ND	ND	--	--	--	--	--
	ug/L	04/03/95	5	ND	45	ND	47	ND	--	--	--	--	--
	ug/L	10/30/95	5	ND	40	ND	40	ND	--	--	--	--	--
	ug/L	04/08/96	5	ND	46	ND	35	ND	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	19	ND	--	--	--	--	--
	ug/L	04/15/97	5	ND	--	ND	44	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	12	1	3	ND	--	--	--	--	--
	ug/L	05/14/98	5	ND	65	ND	17	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	ND	ND	5	ND	--	--	--	--	--
	ug/L	06/04/99	5	ND	55	ND	9	ND	--	--	--	--	--
	ug/L	10/29/99	5	ND	8	ND	6	ND	--	--	--	--	--
	ug/L	04/20/00	5	ND	10	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	27	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	5	ND	17	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	5	ND	40	ND	14	ND	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	8	ND	9	ND	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	ND	ND	15	ND	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	27	ND	14	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	48	ND	10	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	70	ND	18	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	55	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	81	ND	12	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	48	ND	12	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	59	ND	14	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	2.74	ND	29.5	ND	ND	ND	--	--	ND
	ug/L	10/02/07	5	ND	4.54	ND	34	ND	ND	ND	--	--	ND
	ug/L	04/03/08	5	ND	ND	ND	40.6	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	5	ND	0.86 J	ND	39.8	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	5	ND	ND	ND	8.3	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	5	ND	ND	ND	19	--	ND	ND	ND	ND	ND
	ug/L	03/22/10	5	ND	Dry	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	09/23/10	5	ND	5.4	ND	ND	--	ND	ND	ND	ND	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
2-Methylphenol	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
SWS GPS = 35 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/08/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/29/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	120	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	--	ND	170	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	--	ND	200	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	--	ND	52	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	ND	14	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	38	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	--	ND	2440	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	2240	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	--	ND	278	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	--	ND	28.6	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	--	ND	82.8	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	--	--	--	--	--	ND
Diethylphthalate	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L = 6000 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	02/27/01	6	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	19	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	35.9	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	--	ND	140	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	--	ND	548	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	--	ND	101	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	--	ND	86.6	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	1.5 J	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	03/16/11	6000	ND	ND	ND	ND	--	--	--	--	--	ND
2,4-dimethylphenol	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L = 100 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	19	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	35.9	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	--	ND	140	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	--	ND	548	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	--	ND	101	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	--	ND	86.6	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	--	--	--	--	--	ND

TABLE 3

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

				Upgradient Compliance Well	Downgradient Compliance Wells				Assessment Wells				Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
Phenol	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L = 30 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/29/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	240	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	--	ND	1400	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	--	ND	3100	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	--	ND	190	ND	ND	ND	15	--	--	--	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	--	ND	13200	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	16400	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	--	ND	105	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	--	ND	26.8	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	--	--	--	--	--	ND
3 &4-methylphenol	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L Standard = 400/40 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/08/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/29/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	140	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	--	ND	160	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	--	ND	260	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	--	ND	57	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	27	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	--	ND	1930	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	2880	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	--	ND	398	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	--	ND	109	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	--	ND	25.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	--	ND	16.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/30/08	--	ND	4.26 J	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	--	--	--	--	--	ND
Sulfide	ug/L	12/05/94	1	--	--	--	--	--	--	--	--	--	--
No Standard	ug/L	02/14/95	1	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	1	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	1	300	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/29/96	1	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	1	200	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	1	--	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	1	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	1	--	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	1	--	--	--	--	--	--	--	--	--	--
	ug/L	10/11/98	1	--	--	--	--	--	--	--	--	--	--
	ug/L	06/04/99	1	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/99	1	--	--	--	--	--	--	--	--	--	--
	ug/L	04/20/00	1	--	--	--	--	--	--	--	--	--	--
	ug/L	11/07/00	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	06/05/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	06/21/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	10/16/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	04/24/02	1	--	--	--	--	--	--	--	--	--	--
	ug/L	10/01/02	1	--	--	--	--	--	--	--	--	--	--
	ug/L	04/09/03	1	--	--	--	--	--	--	--	--	--	--
	ug/L	10/20/03	1	--	--	--	--	--	--	--	--	--	--
	ug/L	03/24/04	1	--	--	--	--	--	--	--	--	--	--
	ug/L	10/27/04	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/25/05	1	--	--	--	--	--	--	--	--	--	--
	ug/L	10/04/05	1	--	--	--	--	--	--	--	--	--	--
	ug/L	04/25/06	1	--	--	--	--	--	--	--	--	--	--
	ug/L	10/04/06	1	--	--	--	--	--	--	--	--	--	--
	ug/L	03/21/07	1	--	--	--	--	--	--	--	--	--	--
	ug/L	10/02/07	1	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/08	1	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/08	1	--	--	--	--	--	--	--	--	--	--
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	mg/L	09/22/09	1	ND	0.28 J	ND	ND	--	--	--	--	--	ND
	mg/L	03/22/10	1000	ND	Dry	ND	ND	--	-	-	-	-	ND
	mg/L	03/16/11	1	ND	ND	ND	ND	--	-	-	-	-	ND
pH (field)	S.U.	02/27/01	--	--	--	--	--	--	--	--	--	--	
	S.U.	10/04/06	--	5.81	6.06	5.54	5.90	5.35	6.17	6.15	--	--	--
	S.U.	03/21/07	--	--	--	--	--	--	--	--	--	--	--
	S.U.	10/02/07	--	5.60	5.88	5.28	5.23	5.37	5.81	5.90	--	--	--
	S.U.	04/03/08	--	5.76	6.05	5.30	5.63	4.93	6.00	5.95	6.24	7.35	--
	S.U.	10/29/08	--	--	--	--	--	--	--	--	--	--	--
	S.U.	03/24/09	--	6.94	6.43	6.42	6.64	6.31	6.21	6.82	7.11	7.56	--
	S.U.	09/22/09	--	5.58	5.32	5.60	5.72	--	5.87	5.91	5.92	6.27	--
	S.U.	03/22/10	--	5.58	Dry	5.44	6.01	--	6.07	5.62	5.98	6.40	--
	S.U.	09/23/10	--	5.48	6.00	5.67	6.04	--	5.27	5.79	5.85	6.26	--
	S.U.	03/16/11	--	5.53	5.91	5.74	6.15	--	5.29	5.93	6.08	6.42	--
Conductivity (field)	uS/cm	02/27/01		--	--	--	--	--	--	--	--	--	
	uS/cm	10/04/06	--	90	953	319	530	56	531	395	--	--	--
	uS/cm	03/21/07	--	--	--	--	--	--	--	--	--	--	--
	uS/cm	10/02/07	--	115	451	189	319	85	715	597	--	--	--
	uS/cm	04/03/08	--	98	250	197	552	59	597	585	243	140	--
	uS/cm	10/29/08	--	--	--	--	--	--	--	--	--	--	--
	uS/cm	03/24/09	--	110	150	330	730	120	200	650	610	130	--
	uS/cm	09/22/09	--	101	125	340	661	--	441	675	277	111	--
	uS/cm	03/22/10	--	148	Dry	339	884	--	89	560	248	109	--
	uS/cm	09/23/10	--	181	1262	451	999	--	93	603	219	124	--
	uS/cm	03/16/11	--	166	92	431	529	--	140	589	259	119	--
Temperature (field)	Celsius	02/27/01		--	--	--	--	--	--	--	--	--	
	Celsius	10/04/06	--	13.8	16.6	18.0	15.7	13.7	15.4	14.7	--	--	--
	Celsius	03/21/07	--	--	--	--	--	--	--	--	--	--	--
	Celsius	10/02/07	--	14.1	17.4	17.9	16.0	13.6	15.1	14.8	--	--	--
	Celsius	04/03/08	--	13.2	12.1	16.5	15.5	13.1	13.0	12.4	13.01	15.30	--
	Celsius	10/29/08	--	--	--	--	--	--	--	--	--	--	--
	Celsius	03/24/09	--	12.6	14.9	18.5	17.3	13.7	17.6	16.8	13.6	11.9	--
	Celsius	09/22/09	--	16.7	19.95	19.91	22.78	--	17.31	16.68	17.22	17.47	--
	Celsius	03/22/10	--	13.17	Dry	14.97	11.76	--	10.08	10.97	9.33	7.41	--
	Celsius	09/23/10	--	14.92	19.69	18.65	18.77	--	16.25	15.78	17.11	18.35	--
	Celsius	03/16/11	--	12.61	9.68	15.64	15.08	--	11.96	11.95	10.02	9.24	--

TABLE 3

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

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

Notes:

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

TABLE 4

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

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

TABLE 4

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10		Downgradient Wells MW-11		MW-12		MW-13		Blanks
Chromium	µg/L	06/21/01	10	ND		ND		ND		23.8		--
NC 2L = 10 ug/L	µg/L	04/24/02	10	ND		ND		ND		ND		--
	µg/L	10/01/02	10	ND		ND		ND		ND		--
	µg/L	04/10/03	10	ND		ND		ND		ND		--
	µg/L	10/20/03	10	ND		ND		ND		13.5		--
	µg/L	03/24/04	10	ND		ND		ND		12.8		--
	µg/L	10/27/04	10	ND		ND		ND		ND		--
	µg/L	05/25/05	10	ND		ND		ND		ND		--
	µg/L	10/05/05	10	ND		ND		ND		ND		--
	µg/L	04/25/06	10	ND		ND		ND		ND		--
	µg/L	10/05/06	10	ND		ND		ND		ND		ND
	µg/L	03/21/07	10	3.41	J	3.26	J	3.55	J	2.97	J	ND
	µg/L	10/02/07	10	2.28	J	1.17	J	2.08	J	3.80	J	ND
	µg/L	04/01/08	10	5.80	J	3.56	J	3.07	J	103		ND
	µg/L	10/29/08	10	ND		ND		1.77	J	19.0		ND
	ug/L	03/24/09	10	1.0	J	ND		1.2	J	3.0	J	ND
	ug/L	09/22/09	10	ND		ND		ND		ND		ND
	ug/L	03/24/10	10	ND		ND		ND		ND		ND
	ug/L	09/22/10	10	1.18	J	ND		ND		ND		ND
	ug/L	03/16/11	10	5.18	J	ND		ND		ND		ND
Cobalt	ug/L	03/24/09	10	0.8	J	ND		1.1	J	ND		ND
SWS GPS = 1 ug/L	ug/L	09/22/09	10	ND		ND		1.28	J	ND		ND
	ug/L	03/24/10	10	ND		4.30	J	ND		ND		ND
	ug/L	09/22/10	10	2.10	J	2.89	J	1.87	J	ND		ND
	ug/L	03/16/11	10	3.28	J	2.05	J	ND		ND		ND
Copper	ug/L	03/24/09	10	3.42	J	ND		ND		ND		ND
NC 2L =1000 ug/L	ug/L	09/22/09	10	ND		ND		ND		1.82	J	ND
	ug/L	03/24/10	10	ND		2.76	J	ND		ND		ND
	ug/L	09/22/10	10	3.49	J	ND		ND		ND		ND
	ug/L	03/16/11	10	15.9		2.55	J	3.09	J	4.85	J	ND
Lead	µg/L	06/21/01	10	14.2		ND		ND		10.4		--
NC 2L = 15 ug/L	µg/L	04/24/02	10	ND		ND		ND		ND		--
	µg/L	10/01/02	10	ND		ND		ND		ND		--
	µg/L	04/10/03	10	ND		ND		ND		ND		--
	µg/L	10/20/03	10	ND		ND		ND		ND		--
	µg/L	03/24/04	10	ND		ND		ND		ND		--
	µg/L	10/27/04	10	ND		ND		ND		ND		--
	µg/L	05/25/05	10	10.3		ND		ND		ND		--
	µg/L	10/05/05	10	ND		ND		ND		ND		--
	µg/L	04/25/06	10	ND		ND		ND		ND		--
	µg/L	10/05/06	10	ND		ND		ND		ND		ND
	µg/L	03/21/07	10	3.32	J	3.57	J	2.12	J	ND		ND
	µg/L	10/02/07	10	ND		ND		ND		ND		ND
	µg/L	04/01/08	10	13.1		9.16	J	ND		25.1		ND
	µg/L	10/29/08	10	6.51	J	ND		8.35	J	9.00	J	ND
	ug/L	03/24/09	10	4.4	J	3.7	J	3.1	J	3.9	J	ND
	ug/L	09/22/09	10	2.40	J	ND		3.84	J	ND		ND
	ug/L	03/24/10	10	ND		ND		2.18	J	ND		ND
	ug/L	09/22/10	10	2.56	J	ND		ND		ND		ND
	ug/L	03/16/11	10	12.8		2.55	J	ND		2.29	J	ND
Mercury	µg/L	06/21/01	0.2	ND		ND		ND		ND		--
NC 2L = 1 ug/L	µg/L	04/24/02	0.2	ND		ND		ND		ND		--
	µg/L	10/01/02	0.2	ND		ND		ND		ND		--
	µg/L	04/10/03	0.2	ND		ND		ND		ND		--
	µg/L	10/20/03	0.2	ND		ND		ND		ND		--
	µg/L	03/24/04	0.2	ND		ND		ND		ND		--
	µg/L	10/27/04	0.2	ND		ND		ND		ND		--
	µg/L	05/25/05	0.2	ND		ND		ND		ND		--
	µg/L	10/05/05	0.2	ND		ND		ND		ND		--
	µg/L	04/25/06	0.2	ND		ND		ND		ND		--
	µg/L	10/05/06	0.2	ND		ND		ND		ND		ND
	µg/L	03/21/07	0.2	ND		ND		0.093	J	ND		ND
	µg/L	10/02/07	0.2	ND		ND		0.136	J	ND		ND
	µg/L	04/01/08	0.2	ND		ND		0.096	J	ND		ND
	µg/L	10/29/08	0.2	ND		ND		0.198	J	ND		ND
	ug/L	03/24/09	0.2	ND		ND		0.54		ND		ND
	ug/L	09/22/09	0.2	ND		ND		0.172	J	ND		ND
	ug/L	03/24/10	0.2	ND		0.0586	J	0.144	J	ND		ND
	ug/L	09/22/10	0.2	ND		ND		ND		ND		ND
	ug/L	03/16/11	0.2	ND		ND		ND		ND		ND
Nickel	ug/L	03/24/09	50	0.7	J	ND		1.1	J	1.0	J	ND
NC 2L = 100 ug/L	ug/L	09/22/09	50	ND		ND		ND		1.88	J	ND
	ug/L	03/24/10	50	ND		ND		ND		ND		ND
	ug/L	09/22/10	50	ND		ND		ND		ND		ND
	ug/L	03/16/11	50	3.91	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	
Selenium	µg/L	06/21/01	10	ND		ND		ND		ND		--	
NC 2L = 20 ug/L	µg/L	04/24/02	10	ND		ND		ND		ND		--	
	µg/L	10/01/02	10	ND		ND		ND		ND		--	
	µg/L	04/10/03	10	ND		ND		ND		ND		--	
	µg/L	10/20/03	10	ND		ND		ND		ND		--	
	µg/L	03/24/04	10	ND		ND		ND		ND		--	
	µg/L	10/27/04	10	ND		ND		ND		ND		--	
	µg/L	05/25/05	10	ND		ND		ND		ND		--	
	µg/L	10/05/05	10	ND		ND		ND		ND		--	
	µg/L	04/25/06	10	ND		ND		ND		ND		--	
	µg/L	10/05/06	10	ND		ND		ND		ND		ND	
	µg/L	03/21/07	10	ND		ND		ND		10.2	J	ND	
	µg/L	10/02/07	10	ND		ND		ND		ND		ND	
	µg/L	04/01/08	10	ND		ND		ND		19.2		ND	
	µg/L	10/29/08	10	ND		ND		ND		ND		ND	
	ug/L	03/24/09	10	ND		ND		ND		ND		ND	
	ug/L	09/22/09	10	ND		ND		ND		ND		ND	
	ug/L	03/24/10	10	ND		ND		ND		ND		ND	
	ug/L	09/22/10	10	ND		ND		ND		ND		ND	
	ug/L	03/16/11	10	ND		ND		ND		ND		3.32	J
Silver	µg/L	06/21/01	10	ND		ND		ND		ND		--	
NC 2L = 20 ug/L	µg/L	04/24/02	10	ND		ND		ND		ND		--	
	µg/L	10/01/02	10	ND		ND		ND		ND		--	
	µg/L	04/10/03	10	ND		ND		ND		ND		--	
	µg/L	10/20/03	10	ND		ND		ND		ND		--	
	µg/L	03/24/04	10	ND		ND		ND		ND		--	
	µg/L	10/27/04	10	ND		ND		ND		ND		--	
	µg/L	05/25/05	10	ND		ND		ND		ND		--	
	µg/L	10/05/05	10	ND		ND		ND		ND		--	
	µg/L	04/25/06	10	ND		ND		ND		ND		--	
	µg/L	10/05/06	10	ND		ND		ND		ND		ND	
	µg/L	03/21/07	10	3.49	J	3.41	J	3.04	J	2.96	J	ND	
	µg/L	10/02/07	10	ND		ND		ND		ND		ND	
	µg/L	04/01/08	10	4.12	J	4.48	J	4.07	J	3.65	J	ND	
	µg/L	10/29/08	10	1.57	B	1.80	B	1.40	B	1.52	B	--	
	ug/L	03/24/09	10	ND		1.2	J	ND		ND		ND	
	ug/L	09/22/09	10	ND		ND		ND		ND		ND	
	ug/L	03/24/10	10	ND		ND		ND		ND		ND	
	ug/L	09/22/10	10	ND		ND		ND		ND		ND	
	ug/L	03/16/11	10	ND		ND		ND		ND		ND	
Thallium	ug/L	03/24/09	5.5	ND		ND		0.061	B	ND		0.092	J
NC 2L = 0.2 ug/L	ug/L	09/22/09	5.5	ND		ND		ND		ND		ND	
	ug/L	03/24/10	5.5	ND		ND		ND		ND		ND	
	ug/L	09/22/10	5.5	ND		ND		ND		ND		ND	
	ug/L	03/16/11	5.5	ND		ND		ND		ND		ND	
Vanadium	ug/L	03/24/09	25	4.9	J	1.0	J	6.5	J	3.3	J	ND	
SWS GPS = 0.3 ug/L	ug/L	09/22/09	25	2.01	J	ND		6.20	J	2.01	J	ND	
	ug/L	03/24/10	25	ND		2.62	J	1.57	J	ND		ND	
	ug/L	09/22/10	25	7.06	J	ND		ND		1.64	J	ND	
	ug/L	03/16/11	25	19.5	J	1.76	J	3.03	J	ND		ND	
Zinc	ug/L	03/24/09	10	8.0	B	9.0	B	17.9		7.2	B	3.4	
NC 2L = 1000 ug/L	ug/L	09/22/09	10	ND		32.4		17.3		12.0		ND	
	ug/L	03/24/10	10	13.2		20.0		21.5		12.2		ND	
	ug/L	09/22/10	10	14.8		7.45	J	6.78	J	10.5		ND	
	ug/L	03/16/11	10	43.2		4.05	J	12.5		26.0		ND	
Iron	ug/L	03/24/09	300	2750		1400		4810		1670		ND	
NC 2L = 300 ug/L	ug/L	09/22/09	300	684		1390		4450		735		ND	
	ug/L	03/24/10	300	151	J	2050		830		564		27.6	
	ug/L	09/22/10	300	4690		630		841		658		ND	
	ug/L	03/16/11	300	14200		1770		1600		462		ND	
Manganese	ug/L	03/24/09	50	60.9		165		155		59.1		ND	
NC 2L = 50 ug/L	ug/L	09/22/09	50	18.1	J	186		163		34.9	J	1.99	
	ug/L	03/24/10	50	4.51	B	1780		142		111		2.13	
	ug/L	09/22/10	50	121		923		743		58.4		3.27	J
	ug/L	03/16/11	50	356		349		389		116		3.57	J
Acetone	ug/L	03/24/09	100	ND		ND		3.8	J	ND		ND	
NC 2L = 6000 ug/L	ug/L	09/22/09	100	ND		ND		ND		ND		ND	
	ug/L	03/24/10	100	ND		19	J	13	J	ND		ND	
	ug/L	09/22/10	100	ND		4.5	J	2.7	J	ND		ND	
	ug/L	03/16/11	100	ND		92	J	17	J	ND		ND	

TABLE 4

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10	Downgradient Wells MW-11	MW-12	MW-13	Blanks
Benzene	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 1 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	ND	ND	ND	ND	ND
	µg/L	10/02/07	1	ND	ND	0.15 J	ND	ND
	µg/L	04/01/08	1	ND	ND	0.28 J	ND	ND
	µg/L	10/29/08	1	ND	ND	0.28 J	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	0.50 J	ND	ND	ND
	ug/L	03/24/10	1	ND	ND	ND	ND	ND
	ug/L	09/22/10	1	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND
Chloroethane	µg/L	06/21/01	10	ND	ND	ND	ND	--
SWS GPS = 2800 ug/L	µg/L	04/24/02	10	ND	ND	ND	ND	--
	µg/L	10/01/02	10	ND	ND	ND	ND	--
	µg/L	04/10/03	10	ND	ND	ND	ND	--
	µg/L	10/20/03	10	ND	ND	ND	ND	--
	µg/L	03/24/04	10	ND	ND	ND	ND	--
	µg/L	10/27/04	10	ND	ND	ND	ND	--
	µg/L	05/25/05	10	ND	ND	ND	ND	--
	µg/L	10/05/05	10	ND	ND	ND	ND	--
	µg/L	04/25/06	10	ND	ND	ND	ND	--
	µg/L	10/05/06	10	ND	ND	ND	ND	ND
	µg/L	03/21/07	10	ND	ND	0.84 J	ND	ND
	µg/L	10/02/07	10	ND	ND	1.08 J	ND	ND
	µg/L	04/01/08	10	ND	ND	ND	ND	ND
	µg/L	10/29/08	10	ND	ND	1.60 J	ND	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	ND	ND	ND	ND	ND
	ug/L	03/24/10	10	ND	ND	ND	ND	ND
	ug/L	09/22/10	10	ND	ND	0.95 J	ND	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 6 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	ND	ND	0.21 J	ND	ND
	µg/L	10/02/07	1	ND	ND	0.23 J	0.23 J	ND
	µg/L	04/01/08	1	ND	ND	0.26 J	ND	ND
	µg/L	10/29/08	1	ND	ND	0.23 J	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	ND
	ug/L	03/24/10	1	ND	0.46 J	ND	0.45 J	ND
	ug/L	09/22/10	1	ND	ND	ND	0.57 J	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND

TABLE 4

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10	Downgradient Wells MW-11	MW-12	MW-13	Blanks
1,1-Dichloroethane	µg/L	06/21/01	5	ND	ND	ND	ND	--
NC 2L = 6 ug/L	µg/L	04/24/02	5	ND	ND	ND	ND	--
	µg/L	10/01/02	5	ND	ND	ND	ND	--
	µg/L	04/10/03	5	ND	ND	ND	ND	--
	µg/L	10/20/03	5	ND	ND	ND	ND	--
	µg/L	03/24/04	5	ND	ND	ND	ND	--
	µg/L	10/27/04	5	ND	ND	ND	ND	--
	µg/L	05/25/05	5	ND	ND	ND	ND	--
	µg/L	10/05/05	5	ND	ND	ND	ND	--
	µg/L	04/25/06	5	ND	ND	ND	ND	--
	µg/L	10/05/06	5	ND	ND	ND	ND	ND
	µg/L	03/21/07	5	ND	ND	0.71 J	ND	ND
	µg/L	10/02/07	5	ND	ND	0.79 J	0.09 J	ND
	µg/L	04/01/08	5	ND	ND	0.99 J	0.12 J	ND
	µg/L	10/29/08	5	ND	ND	1.01 J	0.15 J	ND
	ug/L	03/24/09	5	ND	ND	0.82 J	ND	ND
	ug/L	09/22/09	5	ND	ND	0.70 J	ND	ND
	ug/L	03/24/10	5	ND	ND	0.47 J	ND	ND
	ug/L	09/22/10	5	ND	ND	ND	ND	ND
	ug/L	03/16/11	5	ND	ND	0.40 J	ND	ND
cis-1,2-Dichloroethene	µg/L	06/21/01	5	ND	ND	ND	ND	--
NC 2L = 70 ug/L	µg/L	04/24/02	5	ND	ND	ND	ND	--
	µg/L	10/01/02	5	ND	ND	ND	ND	--
	µg/L	04/10/03	5	ND	6	ND	ND	--
	µg/L	10/20/03	5	ND	ND	ND	ND	--
	µg/L	03/24/04	5	ND	ND	ND	ND	--
	µg/L	10/27/04	5	ND	ND	ND	ND	--
	µg/L	05/25/05	5	ND	ND	ND	ND	--
	µg/L	10/05/05	5	ND	ND	ND	ND	--
	µg/L	04/25/06	5	ND	ND	ND	ND	--
	µg/L	10/05/06	5	ND	ND	ND	ND	ND
	µg/L	03/21/07	5	ND	ND	0.20 J	ND	ND
	µg/L	10/02/07	5	ND	ND	0.27 J	0.21 J	ND
	µg/L	04/01/08	5	ND	ND	0.39 J	0.30 J	ND
	µg/L	10/29/08	5	ND	0.11 J	0.44 J	0.35 J	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	ND
	ug/L	09/22/09	5	ND	5.7	ND	ND	ND
	ug/L	03/24/10	5	ND	5.3	ND	0.84 J	ND
	ug/L	09/22/10	5	ND	ND	ND	0.78 J	ND
	ug/L	03/16/11	5	ND	ND	0.76 J	1.3 J	ND
Chloromethane	ug/L	03/24/09	1	ND	ND	ND	ND	ND
SWS GPS = 2.6 ug/L	ug/L	09/22/09	1	ND	ND	ND	ND	ND
	ug/L	03/24/10	1	ND	ND	ND	ND	ND
	ug/L	09/22/10	1	0.51 J	0.47 J	1.1	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND
Methylene chloride	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 5 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	0.20 B	ND	2.08 B	0.38 B	0.39
	µg/L	10/02/07	1	ND	ND	1.42 B	ND	0.61
	µg/L	04/01/08	1	ND	0.52 B	2.83 J	0.48 B	0.54
	µg/L	10/29/08	1	ND	ND	2.58	0.52 J	ND
	ug/L	03/24/09	1	ND	ND	0.53 J	ND	ND
	ug/L	09/22/09	1	ND	ND	1.2	ND	ND
	ug/L	03/24/10	1	ND	ND	0.92 J	ND	ND
	ug/L	09/22/10	1	ND	ND	0.70 J	ND	ND
	ug/L	03/16/11	1	ND	ND	1.6	0.52 J	ND
2-Butanone	ug/L	03/24/09	100	ND	ND	ND	ND	ND
NC 2L = 4000 ug/L	ug/L	09/22/09	100	ND	ND	ND	ND	ND
	ug/L	03/24/10	100	ND	ND	ND	ND	ND
	ug/L	09/22/10	100	ND	ND	ND	ND	ND
	ug/L	03/16/11	100	ND	1.6 J	ND	ND	ND

TABLE 4

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

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

TABLE 4

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

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

TABLE 4

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

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

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
Turbidity (field)	NTU	03/24/09	--	76.2	13.8	149	108	--
	NTU	09/22/09	--	20.1	20.4	61.3	37.3	--
	NTU	03/24/10	--	6.36	16.6	51.1	19.7	--
	NTU	09/22/10	--	8.46	5.45	10.3	24.2	--
	NTU	03/16/11	--	21.6	12.1	36.1	17.6	--

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

TABLE 5

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

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

TABLE 5

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

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

TABLE 5

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

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

TABLE 5

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

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

TABLE 5

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

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

TABLE 5

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

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

TABLE 5

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

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

TABLE 5

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Zinc	ug/L	12/05/94	10	16	27	26	40	--	--	--
SW Standard = 50 ug/L (AL)	ug/L	02/14/95	10	30	300	--	71	--	--	--
	ug/L	04/03/95	10	10	ND	21	51	--	--	--
	ug/L	10/30/95	10	ND	11	31	ND	--	--	--
	ug/L	04/08/96	10	--	--	--	40	--	--	--
	ug/L	10/24/96	10	28	ND	16	13	--	--	--
	ug/L	04/15/97	10	20	20	40	30	--	--	--
	ug/L	10/29/97	10	20	ND	ND	ND	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	10	ND	ND	144	ND	--	--	--
	ug/L	06/04/99	10	ND	--	118	ND	--	--	--
	ug/L	10/29/99	10	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	10	ND	--	394	ND	--	--	--
	ug/L	11/07/00	10	--	--	ND	ND	--	--	--
	ug/L	10/16/01	10	ND	--	26	ND	--	--	--
	ug/L	04/24/02	10	ND	--	132	ND	--	--	--
	ug/L	10/01/02	10	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	10	82.7	--	ND	63	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	487	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	107	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	6.76 J	9.01 J	37	8.63 J	--	--	ND
	ug/L	10/02/07	10	5.22 J	15.3 J	24.4	24	--	--	ND
	ug/L	04/03/08	10	6.29 J	5.45 J	52.5	10.6	--	--	ND
	ug/L	10/29/08	10	9.19 J	--	37.6	29.4	--	--	ND
	ug/L	03/24/09	10	5.5 B	5.6 B	35.6	3.6 B	--	--	3.4 J
	ug/L	09/22/09	10	9.11 J	8.90 J	71.4	11.3	--	--	ND
	ug/L	03/22/10	10	11.4	6.16 J	24.9	9.02 J	--	--	ND
	ug/L	09/23/10	10	ND	4.03 J	46.1	18.8	--	--	ND
	ug/L	03/16/11	10	30.6	5.84 J	53.8	8.11 J	--	--	ND
Acetone	ug/L	12/05/94	100	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	100	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	100	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	100	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	100	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	100	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	100	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	100	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	100	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	100	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	100	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	100	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	100	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	100	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	100	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	100	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	100	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	100	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	100	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	100	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	100	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	100	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	100	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	100	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	100	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	100	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	100	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	100	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	100	3.51 B	1.73 B	ND	ND	--	--	5.5 J
	ug/L	04/03/08	100	ND	ND	ND	ND	--	--	ND
	ug/L	10/29/08	100	ND	--	ND	ND	--	--	ND
	ug/L	03/24/09	100	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	100	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	100	2.3 J	ND	ND	2.5 J	--	--	ND
	ug/L	06/03/10	100	--	--	--	--	11 J	3.6 J	ND
	ug/L	09/23/10	100	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	100	ND	4.2 J	3.0 J	ND	13 J	ND	ND

TABLE 5

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

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

TABLE 5

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

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

TABLE 5

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
1,4-Dichlorobenzene	ug/L	12/05/94	1	ND	ND	ND	--	--	--	--
No SW Standard	ug/L	02/14/95	1	ND	ND	ND	--	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	1	--	ND	ND	--	--	--	--
	ug/L	05/29/96	1	--	ND	ND	--	--	--	--
	ug/L	06/06/96	1	--	ND	ND	--	--	--	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	1	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	1	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	0.19 J	2.26	0.37 J	ND	--	--	ND
	ug/L	10/02/07	1	0.87 J	3.57	ND	ND	--	--	ND
	ug/L	04/03/08	1	0.39 J	1.55 J	ND	ND	--	--	ND
	ug/L	10/29/08	1	1.01 J	--	ND	ND	--	--	ND
	ug/L	03/24/09	1	0.59 J	2.4	ND	ND	--	--	ND
	ug/L	09/22/09	1	ND	1.6	ND	ND	--	--	ND
	ug/L	03/22/10	1	ND	1.4	ND	ND	--	--	ND
	ug/L	06/03/10	1	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	1	ND	3.0	ND	ND	--	--	ND
	ug/L	03/16/11	1	ND	2.8	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	12/05/94	5	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	5	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	5	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	5	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	5	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	5	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	5	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	5	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	5	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	5	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	5	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	5	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	5	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	5	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	0.23 J	ND	ND	--	--	ND
	ug/L	10/02/07	5	0.21 J	0.41 J	ND	ND	--	--	ND
	ug/L	04/03/08	5	0.09 J	0.14 J	ND	ND	--	--	ND
	ug/L	10/29/08	5	0.18 J	--	ND	ND	--	--	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	5	ND	ND	ND	ND	--	--	ND
	ug/L	06/03/10	5	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	ND	ND	ND

TABLE 5

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

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

TABLE 5

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

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

TABLE 5

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

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

TABLE 5

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

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

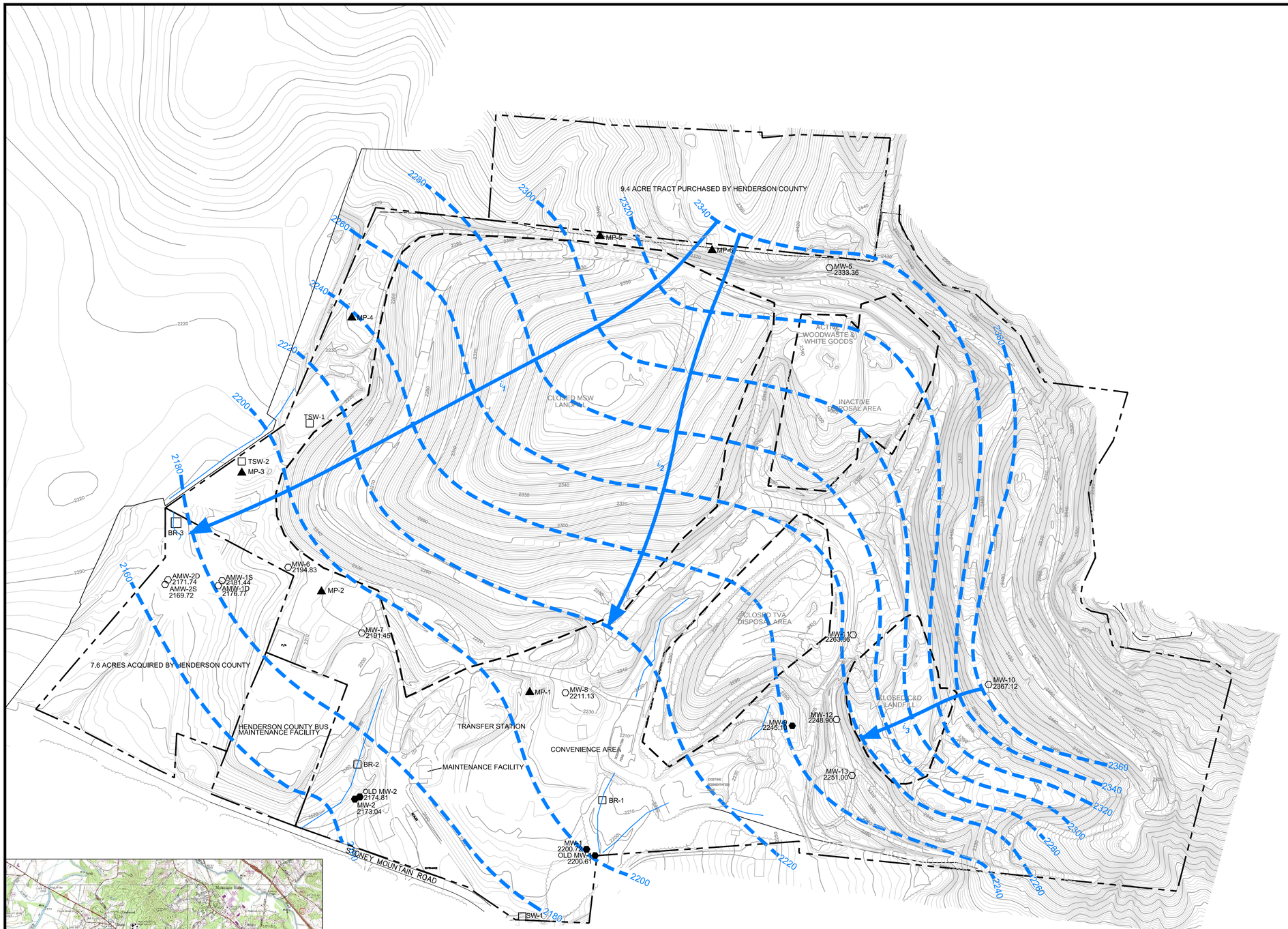
TABLE 5

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

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

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

DRAWING


9.4 ACRE TRACT PURCHASED BY HENDERSON COUNTY
7.6 ACRES ACQUIRED BY HENDERSON COUNTY
HENDERSON COUNTY BUS MAINTENANCE FACILITY
TRANSFER STATION
MAINTENANCE FACILITY
CONVENIENCE AREA
CLOSED MSW LANDFILL
ACTIVE WOODWASTE & WHITE GOODS
INACTIVE DISPOSAL AREA
CLOSED TVA DISPOSAL AREA
CLOSED C&D LANDFILL
SIDNEY MOUNTAIN ROAD
MP-1
MP-2
MP-3
MP-4
MP-5
MP-6
TSW-1
TSW-2
BR-1
BR-2
BR-3
SW-1
MW-5 2339.36
MW-6 2194.83
MW-7 2191.45
MW-8 2211.13
MW-9 2245.10
MW-10 2367.12
MW-11 2269.96
MW-12 2248.90
MW-13 2251.00
AMW-2D 2171.74
AMW-2S 2169.72
AMW-1S 2181.44
AMW-1D 2176.77
OLD MW-2 2174.81
MW-2 2173.04
MW-1 2200.72
OLD MW-1 2200.61
2200
2220
2240
2260
2280
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2800
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2860
2880
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2920
2940
2960
2980

APPENDIX A

GROUNDWATER AND SURFACE WATER SAMPLING LOGS

Golder Associates

DATE: 3/15/11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Well ID: MW-5 **Sampler(s):** N.Rathjen, K. Brewer
Well Diameter: 2 inches **Int. Depth to Water:** 56.46 feet
Depth to Bottom: 74.00 feet **Total Water Column:** 17.54 feet
Well Volume: 2.85 gallons **3x Well Volume:** 8.57 gallons
Well Location: near large building above LF overlooking MSW, white goods
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1222	5.67	0.169	26.4	12.77	0
1234	5.64	0.168	>1000	12.90	2.85
1243	5.62	0.167	>1000	13.43	5.7
1250	5.58	0.154	>1000	13.34	8.57
Sampled @ 0915			on 3/16/11		
915	5.53	0.166	51.7	12.61	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - 50s, overcast, rain
Weather (3/16/11) - slight breeze, partly cloudy, 40s

Signature: Natalie Rathjen **Date:** 3/15/11

QA/QC Sign Off: Paul S Reedy **Date:** 5-12-11

Golder Associates

DATE: 3/15/11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Well ID: MW-6 **Sampler(s):** N.Rathjen, K. Brewer
Well Diameter: 2 inches **Int. Depth to Water:** 9.41 feet
Depth to Bottom: 19.26 feet **Total Water Column:** 9.85 feet
Well Volume: 1.60 gallons **3x Well Volume:** 4.80 gallons
Well Location: off access road along fence before flare
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1308	5.96	0.112	737	8.76	0
1311	5.92	0.108	312	10.14	1.60
1314	5.71	0.104	61.3	11.05	3.20
1317	5.76	0.106	57.8	10.94	4.80
Sampled on 3/16/11					
0951	5.91	0.092	38.9	9.68	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - rain, 50s, overcast
Weather (3/16/11) - slight breezy, cloudy, 50s

Signature: Nath Rath **Date:** 3/15/11

QA/QC Sign Off: [illegible] **Date:** 5-12-11

Golder Associates

DATE: 3/15/11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Well ID: MW-7 **Sampler(s):** N.Rathjen, K. Brewer
Well Diameter: 2 inches **Int. Depth to Water:** 19.21 feet
Depth to Bottom: 28.11 feet **Total Water Column:** 8.90 feet
Well Volume: 1.45 gallons **3x Well Volume:** 4.35 gallons
Well Location: across from transfer station next to empty trailer
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1338	5.96	.444	33.5	15.49	0
1340	5.70	.453	13.6	16.07	1.45
1342	5.67	.485	66.9	16.35	2.9
1344	5.70	.507	77.6	16.41	4.35
Sampled on 3/16					
1010	5.74	0.431	5.93	15.64	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Rain, 50's, overcast
Weather (3/16) - slight breeze, 50s, partly cloudy

Signature: [signature] **Date:** 3/15/11

QA/QC Sign Off: [signature] **Date:** 5-12-11

Golder Associates

DATE: 3/15/11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co.
Project No./Phase No.: 0839650610.100
Well ID: MW-8
Sampler(s): N.Rathjen, K. Brewer
Well Diameter: 2 inches
Int. Depth to Water: 24.74 feet
Depth to Bottom: 31.30 feet
Total Water Column: 6.56 feet
Well Volume: 1.07 gallons
3x Well Volume: 3.20 gallons
Well Location: located off access road near convenience center
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1400	6.12	0.365	279	14.34	0
1404	5.96	0.718	435	15.14	1.07
1406	5.97	0.623	372	15.28	2.14
1409	5.83	0.480	432	15.35	3.20
Sampled on 3/16/11					
1031	6.15	0.529	30.8	15.08	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather: Rain, 50's, overcast
Weather (3/16/11) - breezy, partly cloudy, 50s

Signature: [signature] **Date:** 3/15/11

QA/QC Sign Off: [signature] **Date:** 5-12-11

DATE: 3/15/11

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Well ID: AMW-15 **Sampler(s):** N.Rathjen, K. Brewer
Well Diameter: 2 inches **Int. Depth to Water:** 11.65 feet
Depth to Bottom: 29.01 feet **Total Water Column:** 17.36 feet
Well Volume: 2.80 gallons **3x Well Volume:** 8.40 gallons
Well Location: W of LF located behind animal shelter in field
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1616	5.57	0.130	22.8	11.87	0
1624	5.70	0.247	98.2	12.68	2.80
1629	5.92	0.364	140	12.41	5.60
1634	5.95	0.475	148	12.65	8.40
	Sampled	on 3/16/11			
1220	5.29	0.140	12.4	11.96	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Rain, overcast, 40s
Weather (3/16/11) - slight breeze, overcast, 50s

Signature: Nath Rath **Date:** 3/15/11

QA/QC Sign Off: [illegible] **Date:** 5-12-11

Golder Associates

DATE: 3/15/11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Well ID: AMW-10 **Sampler(s):** N.Rathjen, K. Brewer
Well Diameter: 2 inches **Int. Depth to Water:** 14.00 feet
Depth to Bottom: 62.88 feet **Total Water Column:** 48.88 feet
Well Volume: 7.96 gallons **3x Well Volume:** 23.90 gallons
Well Location: W of LF behind animal shelter in field
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1610	6.24	0.637	45.7	11.94	0
1621	5.74	0.646	8.99	13.29	7.96
1637	5.95	0.646	6.57	12.93	15.92
1655	5.93	0.621	7.99	13.22	23.88
Sampled on 3/16/11					
1226	5.93	0.589	0.77	11.95	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Rain, overcast, 40s
Weather(3/16/11) - overcast calm, 50s,

Signature: [signature] **Date:** 3/15/11

QA/QC Sign Off: [signature] **Date:** 5-12-11

Golder Associates

DATE: 3/15/11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co.
Project No./Phase No.: 0839650610.100
Well ID: AMW-2D
Sampler(s): N.Rathjen, K. Brewer
Well Diameter: 2 inches
Int. Depth to Water: 5.84 feet
Depth to Bottom: 84.05 feet
Total Water Column: 78.21 feet
Well Volume: 12.74 gallons
3x Well Volume: 38.24 gallons
Well Location: W of LF behind animal shelter in woods
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1445	6.33	0.131	7.58	9.85	0
1501	6.25	0.127	93.6	13.15	12.74
1521	6.47	0.123	121	12.88	25.48
1540	6.21	0.117	31.0	13.28	38.24
	Sampled on 3/16/11				
1210	6.42	0.119	5.17	9.24	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - 40s, raining, overcast
Weather (3/16/11) - 50s, partly cloudy, slight breeze

Signature: Nath Rath **Date:** 3/15/11

QA/QC Sign Off: Paul Reay **Date:** 5-12-11

DATE: 3/15/11

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Well ID: AMW-2S **Sampler(s):** N.Rathjen, K. Brewer
Well Diameter: 2 inches **Int. Depth to Water:** 7.94 feet
Depth to Bottom: 25.30 feet **Total Water Column:** 17.36 feet
Well Volume: 2.82 gallons **3x Well Volume:** 8.48 gallons
Well Location: W of LF behind animal shelter in woods
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1442	6.20	0.215	57.6	9.37	0
1450	5.88	0.256	354	10.28	2.82
1456	5.81	0.269	684	10.52	5.64
1501	5.83	0.334	641	10.55	8.48
Sampled on 3/16/11					
1205	6.08	0.259	14.2	10.02	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather – 40s, rain, overcast
Weather (3/16/11) – 50s, slight breeze, overcast

Signature: [signature] **Date:** 3/15/11

QA/QC Sign Off: [signature] **Date:** 5-12-11

Golder Associates

DATE: 3/16/11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co.
Project No./Phase No.: 0839650610.100
Well ID: MW-10
Sampler(s): N.Rathjen, K. Brewer
Well Diameter: 2 inches
Int. Depth to Water: 37.43 feet
Depth to Bottom: 46.50 feet
Total Water Column: 9.07 feet
Well Volume: 1.47 gallons
3x Well Volume: 4.43 gallons
Well Location: located E of closed CTO on hill
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1301	6.15	0.038	16.7	13.48	0
1303	5.92	0.035	921	13.44	1.47
1305	5.85	0.039	>1000	13.51	2.94
1308	5.49	0.042	>1000	13.40	4.43
Sampled on 3/17/11					
0937	5.58	0.046	21.6	12.28	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - 50s, overcast, slight breeze
Weather (3/17/11) - 60s, partly cloudy, slight breeze

Signature: Nath Rath
Date: 3/16/11

QA/QC Sign Off: Paul Reed
Date: 5-12-11

Golder Associates

DATE: 3/16/11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Well ID: MW-11 **Sampler(s):** N.Rathjen, K. Brewer
Well Diameter: 2 inches **Int. Depth to Water:** 33.65 feet
Depth to Bottom: 48.50 feet **Total Water Column:** 14.85 feet
Well Volume: 2.42 gallons **3x Well Volume:** 7.26 gallons
Well Location: located in bottom of seed basin @ base of hill
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

	Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
	1500	5.45	0.165	101	14.56	0
	1510	5.53	0.160	56.1	14.47	2.42
	1517	5.53	0.175	55.3	14.73	4.84
	1526	5.51	0.179	59.5	14.90	7.26
	Sampled on	3/17/11				
NR	~~0954~~	~~5.65~~	~~0.220~~	~~17.6~~	~~12.73~~	—
	1021	5.48	0.138	12.1	13.51	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather – 50s, slight breeze, partly cloudy
Weather (3/17/11) – 60s, slight breeze, partly cloudy

Signature: [signature] **Date:** 3/16/11

QA/QC Sign Off: [signature] **Date:** 5-12-11

Golder Associates

DATE: 3/16/11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Well ID: MW-12 **Sampler(s):** N.Rathjen, K. Brewer
Well Diameter: 2 inches **Int. Depth to Water:** 51.19 feet
Depth to Bottom: 62.90 feet **Total Water Column:** 11.71 feet
Well Volume: 1.91 gallons **3x Well Volume:** 5.73 gallons
Well Location: located off access road @ bottom of hill
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1434	5.46	0.223	20.9	14.24	0
1438	5.31	0.289	684	14.17	1.91
1443	5.54	0.281	>1000	14.85	3.82
1445	dry				~~5.73~~
Sampled on 3/17/11					
1007	5.52	0.256	36.1	12.90	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - 50s breezy, partly cloudy
- bailed dry
Weather (3/17/11) - 60s, partly cloudy, slight breeze

Signature: [signature] **Date:** 3/16/11

QA/QC Sign Off: [signature] **Date:** 5-12-11

Golder Associates

DATE: 3/16/11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Well ID: MW-13 **Sampler(s):** N.Rathjen, K. Brewer
Well Diameter: 2 inches **Int. Depth to Water:** 49.24 feet
Depth to Bottom: 91.11 feet **Total Water Column:** 41.87 feet
Well Volume: 6.82 gallons **3x Well Volume:** 20.47 gallons
Well Location: located off access road, surrounded by 3 large yellow rocks
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1334	5.75	0.225	40.4	13.97	0
1343	5.51	0.221	32.3	13.78	6.82
1355	5.59	0.214	21.5	13.45	13.64
1418	5.69	0.216	64.9	13.83	20.47
Sampled on 3/17/11					
~~1021~~					
0954	5.65	0.220	17.6	12.73	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - overcast, 50s, slight breeze
Weather (3/17/11) - 60s, partly cloudy, slight breeze

Signature: [signature] **Date:** 3/16/11

QA/QC Sign Off: [signature] **Date:** 5-12-11

Golder Associates

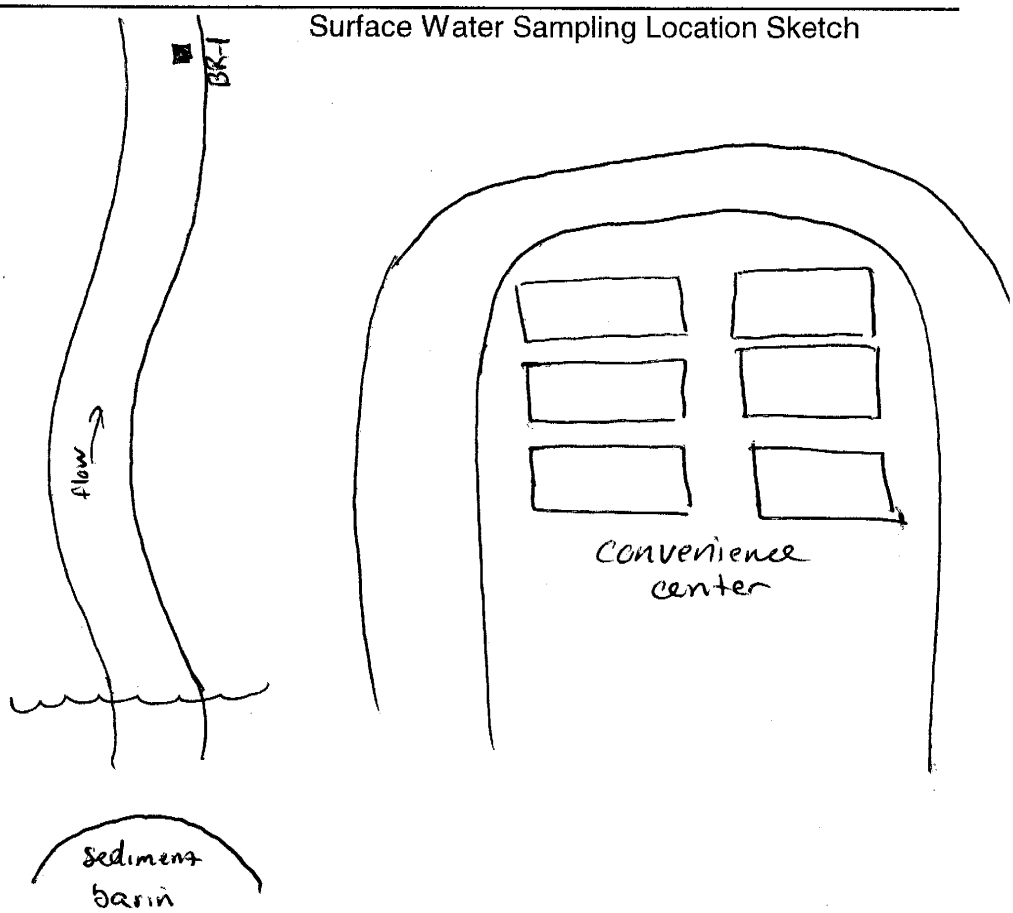
DATE: 3/16/11

SURFACE WATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Sample ID: BR-1 **Sampler(s):** N.Rathjen, K. Brewer
Sampling Location: located downstream of sed basin near convenience center
Equipment: YSI 556, Hanna Turbidimeter

Time	1104
pH s.u.	7.16
Cond. mS/cm	0.357
Turb. ntu	74.6
Dis. O_2 mg/L	14.68
Temp. °C	8.13
ORP mv	15.1

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - 50s, slight breeze, partly cloudy

Signature: [signature] **Date:** 3/16/11

QA/QC Sign Off: [signature] **Date:** 5-12-11

Golder Associates

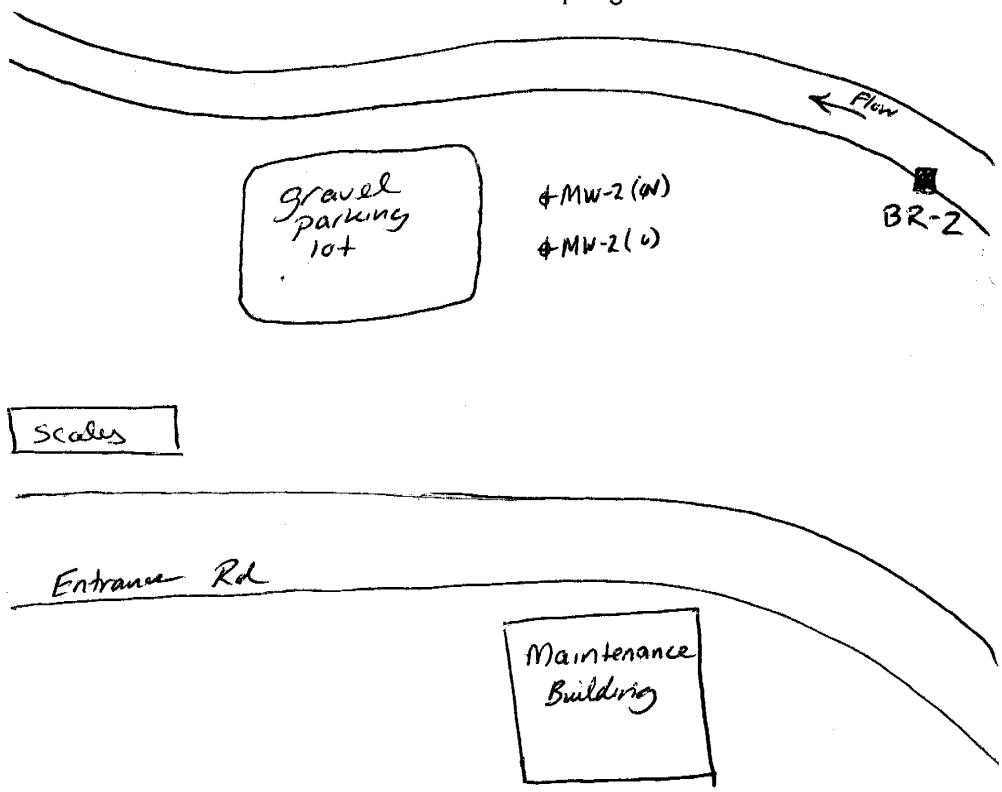
DATE: 3/17/11

SURFACE WATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Sample ID: BR-2 **Sampler(s):** N.Rathjen, K. Brewer
Sampling Location: located near LF entrance in woods behind gravel lot
Equipment: YSI 556, Hanna Turbidimeter

Time	1042
pH s.u.	6.42
Cond. mS/cm	0.715
Turb. ntu	8.59
Dis. O_2 mg/L	13.44
Temp. °C	11.22
ORP mv	31.4

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - 60s, clear, calm

Signature: [signature] **Date:** 3/17/11

QA/QC Sign Off: [signature] **Date:** 5-12-11

Golder Associates

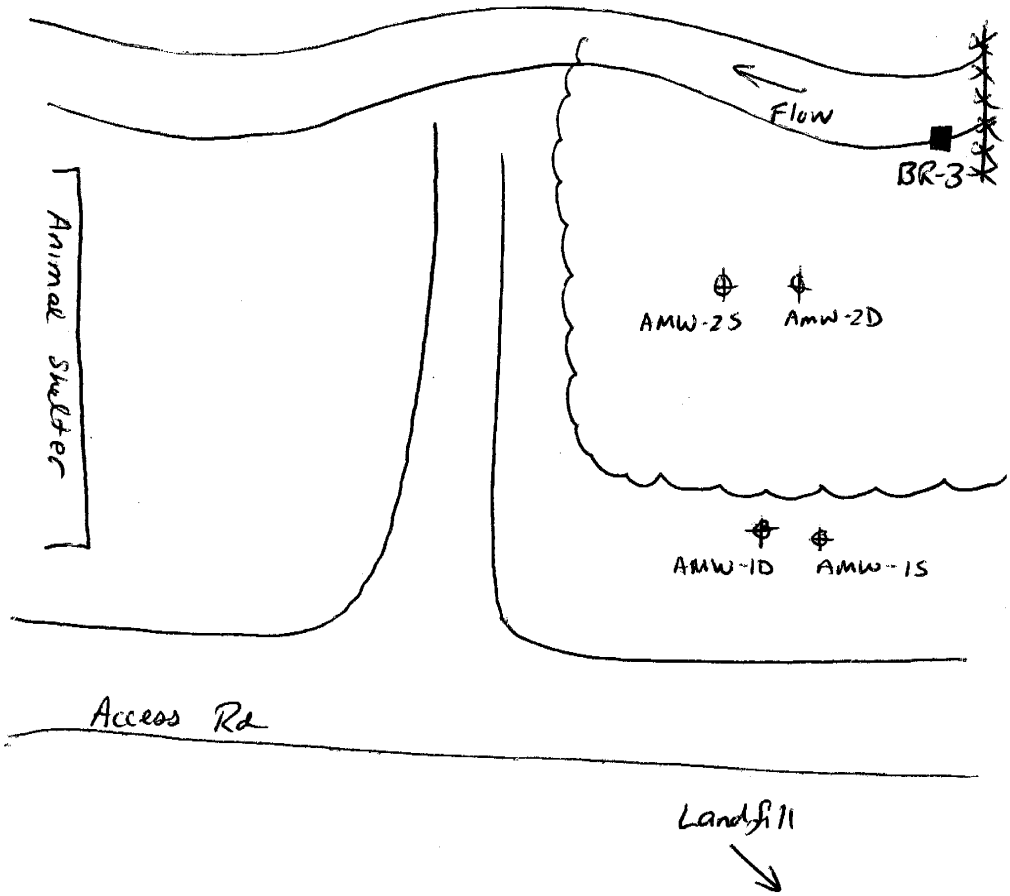
DATE: 3/16/11

SURFACE WATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Sample ID: BR-3 **Sampler(s):** N.Rathjen, K. Brewer
Sampling Location: located N of AMW wells @ bottom of hill along fence
Equipment: YSI 556, Hanna Turbidimeter

Time	1613
pH s.u.	6.48
Cond. mS/cm	2.341
Turb. ntu	23.6
Dis. O_2 mg/L	8.76
Temp. °C	11.32
ORP mv	1.3

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - breezy, partly cloudy, 50s

Signature: [signature] **Date:** 3/16/11

QA/QC Sign Off: [signature] **Date:** 5-12-11

Golder Associates

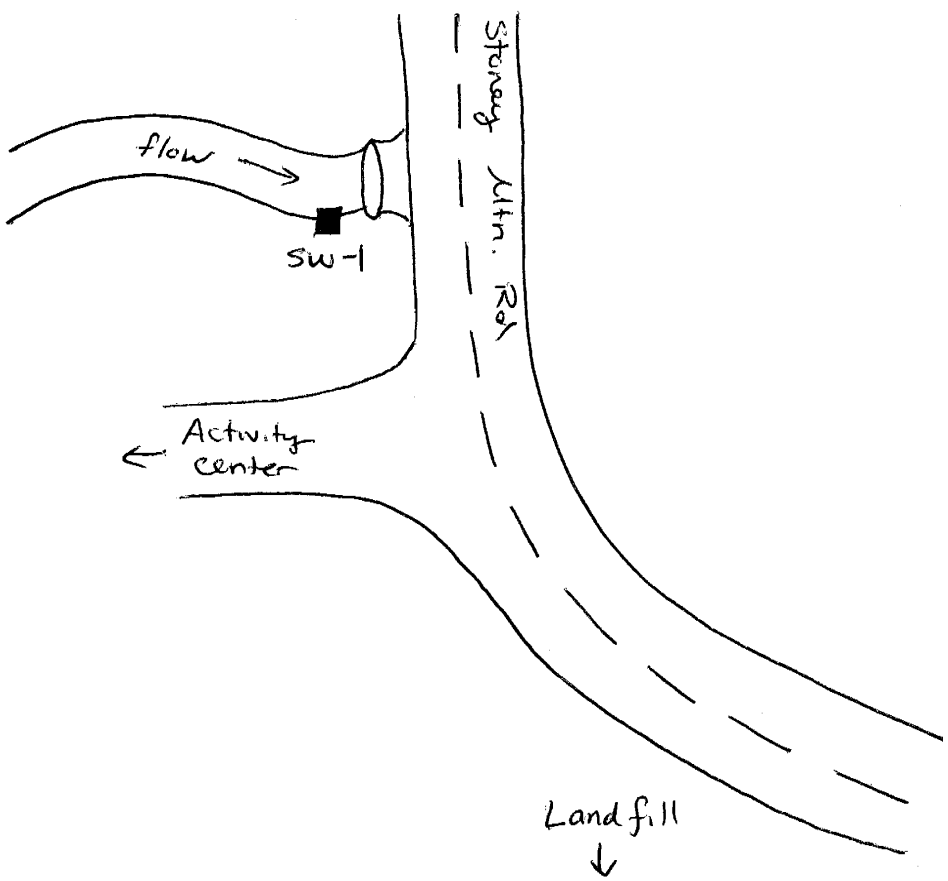
DATE: 3/17/11

SURFACE WATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Sample ID: SW-1 **Sampler(s):** N.Rathjen, K. Brewer
Sampling Location: located offsite along Stoney Mtn Rd near activity center
Equipment: YSI 556, Hanna Turbidimeter

Time	1101
pH s.u.	6.65
Cond. mS/cm	0.354
Turb. ntu	20.7
Dis. O_2 mg/L	10.47
Temp. °C	7.06
ORP mv	-1.6

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - 60s, clear, calm

Signature: Natto Rath **Date:** 3/17/11

QA/QC Sign Off: [illegible] **Date:** 5.12.11

Golder Associates

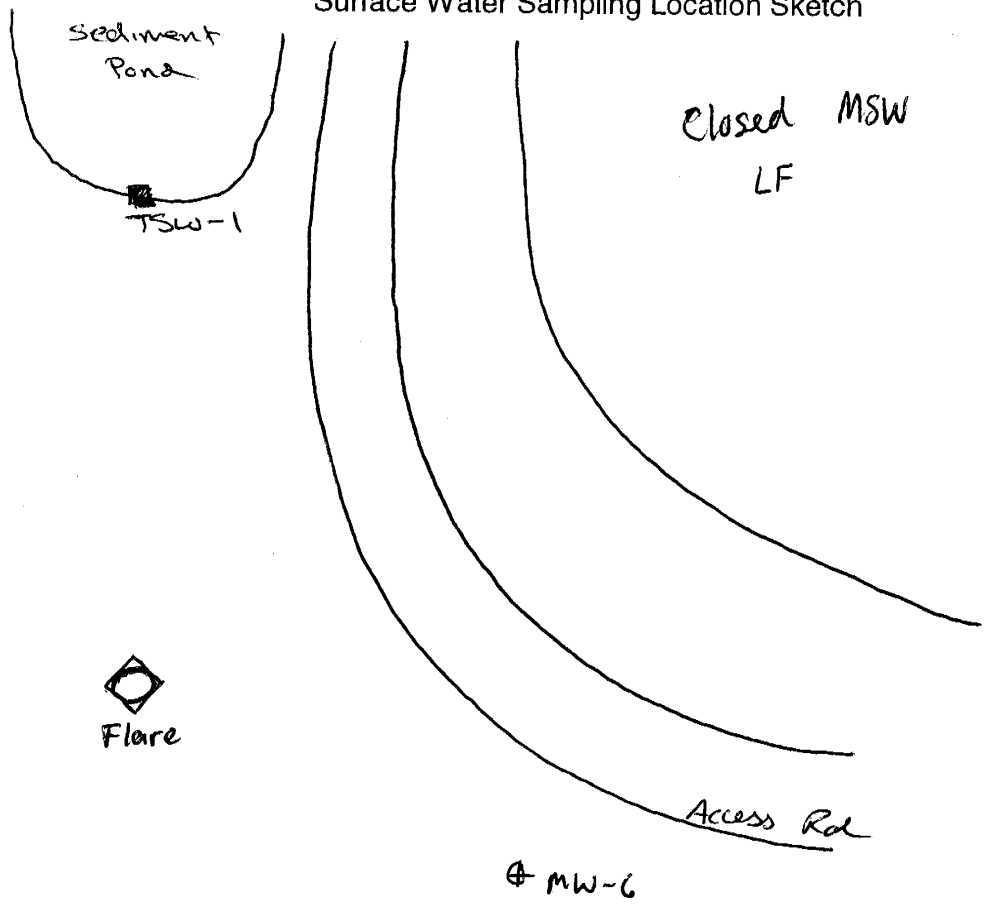
DATE: 3/16/11

SURFACE WATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Sample ID: TSW-1 **Sampler(s):** N.Rathjen, K. Brewer
Sampling Location: West of closed MSW LF in pond near flare
Equipment: YSI 556, Hanna Turbidimeter

Time	1554
pH s.u.	7.47
Cond. mS/cm	0.284
Turb. ntu	50.8
Dis. O_2 mg/L	18.12
Temp. °C	17.76
ORP mv	106.2

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - 60s, calm, clear

Signature: [signature] **Date:** 3/16/11

QA/QC Sign Off: [signature] **Date:** 5.12.11

DATE: 3/16/11

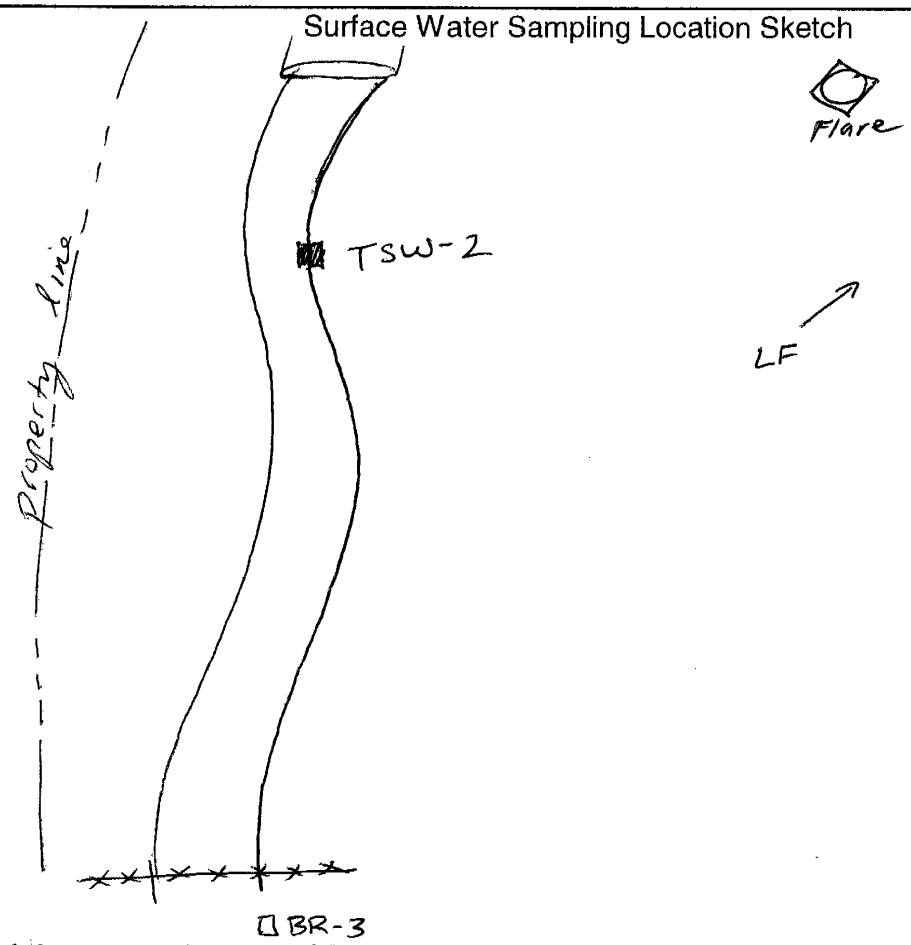
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839650610.100
Sample ID: TSW-2 **Sampler(s):** N.Rathjen, K. Brewer
Sampling Location: West of Closed MSW LF downstream from TSW-1 pond
Equipment: YSI 556, Hanna Turbidimeter

Time	1607
pH s.u.	6.85
Cond. mS/cm	1.713
Turb. ntu	6.27
Dis. O_2 mg/L	8.29
Temp. °C	11.62
ORP mv	-6.5

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - 60s, calm, clear

Signature: [signature] **Date:** 3/16/11

QA/QC Sign Off: [signature] **Date:** 5.12.11

Golder Associates

WELL CONDITION SUMMARY

DATE: 3/17/11

Project Name Henderson Co.

Personnel N. Pathen K. Brewer

Project No./Task No. 0837650010

Page ____ of ____

Well ID	Protective Casing	Well Casing	Label	Lock	Pad Condition	Depth of Well (Feet)	General Turbudity	Comments/ Observations*
MW-5	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	-replaced w/ American lock -pad covered in mud
MW-6	☐ OK ☒ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	-hinge rusted off
MW-7	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☐ OK ☒ Damaged		☐ Clear ☐ Turbid	-pad is cracked and crumbling
MW-8	☒ OK ☐ Damaged	☐ OK ☒ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	-pvc is off 3' down casing bailer to catch
AMW-1S	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	
AMW-1D	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	
AMW-2S	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	
AMW-2D	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	
MW-10	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	- replaced lock
MW-11	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	- pad covered
MW-12	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	-pad covered
MW-13	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	-pad covered

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

Signature: Nathan Pathen Date: 3/17/11

Paul S Reay 5-12-11

APPENDIX B

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

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

Thursday, May 5, 2011

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

5B Oak Branch Drive

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 0839-650610.100, Project Name/Desc: Henderson Co. LF
ENCO Workorder: C102361

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, March 18, 2011.

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

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

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

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

Sincerely,

Stephanie Franz
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 116.

PROJECT NARRATIVE

Date: 05 May 2011
Client: Golder Associates, Inc. (GO007)
Project: Henderson Co. LF
Lab ID: C102361

Overview

This report is an amendment to the original report dated 31 March 2011 for this work order. This report was revised, at the client's request, to confirm the Lead detection in sample AMW-2S.

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

Selenium was detected in the 6010C Method Blank at a low-level concentration (less than half of the MRL). Detections of this analyte should be considered to have a possible high bias if the concentration in the associated sample is not greater than ten times that of the detection in the Method Blank.

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

The continuing calibration verification sample exhibited a high bias for Butylbenzylphthalate, Di-n-octylphthalate, and Methapyrilene; however, these analytes were not detected in the associated samples, reducing the impact of the deviation.

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

Quality Control Remarks

No Comments

Other Comments

At the client's request, sample AMW-2S was reprepped and reanalyzed for Lead. The reported concentration confirmed, and per the client, only the original detection is reported.

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

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

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4501-MW5 (Background) **Lab ID: C102361-01** **Sampled: 03/16/11 09:15** **Received: 03/18/11 10:00**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	03/30/11		03/29/11	09:48	3/30/2011 08:31
EPA 6010C	09/12/11		03/21/11	16:40	3/23/2011 11:41
EPA 6010C	09/12/11		03/24/11	10:00	3/25/2011 13:04
EPA 6020A	09/12/11		03/21/11	12:33	3/23/2011 15:40
EPA 7470A	04/13/11		03/23/11	10:20	3/23/2011 15:24
EPA 8081B	03/23/11	05/01/11	03/22/11	19:10	3/28/2011 16:46
EPA 8082A	03/15/12	03/15/12	03/22/11	19:14	3/28/2011 16:46
EPA 8151A	03/23/11	05/02/11	03/23/11	16:00	3/25/2011 05:56
EPA 8260B	03/30/11		03/24/11	12:34	3/25/2011 03:16
EPA 8270D	03/23/11	04/30/11	03/21/11	07:15	3/30/2011 19:24
SM18 4500-S D	03/23/11		03/22/11	11:14	3/22/2011 11:35

Client ID: 4501-MW6 **Lab ID: C102361-02** **Sampled: 03/16/11 09:51** **Received: 03/18/11 10:00**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	03/30/11		03/29/11	09:48	3/30/2011 08:33
EPA 6010C	09/12/11		03/21/11	16:40	3/23/2011 11:43
EPA 6010C	09/12/11		03/24/11	10:00	3/25/2011 13:06
EPA 6020A	09/12/11		03/21/11	12:33	3/23/2011 15:44
EPA 7470A	04/13/11		03/23/11	10:20	3/23/2011 15:27
EPA 8081B	03/23/11	05/01/11	03/22/11	19:10	3/28/2011 17:02
EPA 8082A	03/15/12	03/15/12	03/22/11	19:14	3/28/2011 17:02
EPA 8151A	03/23/11	05/02/11	03/23/11	16:00	3/25/2011 06:20
EPA 8260B	03/30/11		03/24/11	12:34	3/25/2011 03:45
EPA 8270D	03/23/11	04/30/11	03/21/11	07:15	3/30/2011 19:49
SM18 4500-S D	03/23/11		03/22/11	11:14	3/22/2011 11:35

Client ID: 4501-MW7 **Lab ID: C102361-03** **Sampled: 03/16/11 10:10** **Received: 03/18/11 10:00**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	03/30/11		03/29/11	09:48	3/30/2011 08:36
EPA 6010C	09/12/11		03/21/11	16:40	3/23/2011 11:45
EPA 6010C	09/12/11		03/24/11	10:00	3/25/2011 13:08
EPA 6020A	09/12/11		03/21/11	12:33	3/23/2011 15:48
EPA 7470A	04/13/11		03/23/11	10:20	3/23/2011 15:30
EPA 8081B	03/23/11	05/01/11	03/22/11	19:10	3/28/2011 17:16
EPA 8082A	03/15/12	03/15/12	03/22/11	19:14	3/28/2011 17:16
EPA 8151A	03/23/11	05/02/11	03/23/11	16:00	3/25/2011 06:44
EPA 8260B	03/30/11		03/24/11	12:34	3/25/2011 04:15
EPA 8270D	03/23/11	04/30/11	03/21/11	07:15	3/30/2011 20:15
SM18 4500-S D	03/23/11		03/22/11	11:14	3/22/2011 11:35

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Client ID: 4501-MW8 (MS/MSD)	Lab ID: C102361-04	Sampled: 03/16/11 10:31	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	03/30/11		03/29/11	09:48	3/30/2011 08:38
EPA 6010C	09/12/11		03/21/11	16:40	3/23/2011 11:17
EPA 6010C	09/12/11		03/24/11	10:00	3/25/2011 12:41
EPA 6020A	09/12/11		03/21/11	12:33	3/23/2011 14:56
EPA 7470A	04/13/11		03/23/11	10:20	3/23/2011 15:03
EPA 8081B	03/23/11	05/01/11	03/22/11	19:10	3/28/2011 17:30
EPA 8082A	03/15/12	03/15/12	03/22/11	19:14	3/28/2011 17:30
EPA 8151A	03/23/11	05/02/11	03/23/11	16:00	3/25/2011 03:54
EPA 8260B	03/30/11		03/24/11	12:34	3/25/2011 01:49
EPA 8270D	03/23/11	04/30/11	03/21/11	07:15	3/30/2011 20:40
SM18 4500-S D	03/23/11		03/22/11	11:14	3/22/2011 11:35

Client ID: 4501-AMW1S	Lab ID: C102361-05	Sampled: 03/16/11 12:20	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	09/12/11	03/21/11	16:40	3/23/2011 11:47
EPA 6010C	09/12/11	03/24/11	10:00	3/25/2011 13:10
EPA 6020A	09/12/11	03/21/11	12:33	3/23/2011 15:52
EPA 7470A	04/13/11	03/23/11	10:20	3/23/2011 15:33
EPA 8260B	03/30/11	03/24/11	08:21	3/25/2011 18:45

Client ID: 4501-AMW1D	Lab ID: C102361-06	Sampled: 03/16/11 12:26	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	09/12/11	03/21/11	16:40	3/23/2011 11:50
EPA 6010C	09/12/11	03/24/11	10:00	3/25/2011 13:12
EPA 6020A	09/12/11	03/21/11	12:33	3/23/2011 15:55
EPA 7470A	04/13/11	03/23/11	10:20	3/23/2011 15:37
EPA 8260B	03/30/11	03/24/11	08:21	3/25/2011 19:14

Client ID: 4501-AMW2S	Lab ID: C102361-07	Sampled: 03/16/11 12:05	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	09/12/11	03/21/11	16:40	3/23/2011 11:52
EPA 6010C	09/12/11	03/24/11	10:00	3/25/2011 13:15
EPA 6020A	09/12/11	03/21/11	12:33	3/23/2011 15:59
EPA 7470A	04/13/11	03/23/11	10:20	3/23/2011 15:40
EPA 8260B	03/30/11	03/24/11	08:21	3/25/2011 19:43

Client ID: 4501-AMW2D	Lab ID: C102361-08	Sampled: 03/16/11 12:10	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	09/12/11	03/21/11	16:40	3/23/2011 11:54
EPA 6010C	09/12/11	03/24/11	10:00	3/25/2011 13:17
EPA 6020A	09/12/11	03/21/11	12:33	3/23/2011 16:03
EPA 7470A	04/13/11	03/23/11	10:20	3/23/2011 15:42
EPA 8260B	03/30/11	03/24/11	08:21	3/25/2011 20:12

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Client ID: 4501-BR1	Lab ID: C102361-09	Sampled: 03/16/11 11:04	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	09/12/11		03/21/11	16:40	3/23/2011 12:02
EPA 6010C	09/12/11		03/24/11	10:00	3/25/2011 13:25
EPA 6020A	09/12/11		03/21/11	12:33	3/23/2011 16:07
EPA 8260B	03/30/11		03/24/11	08:21	3/25/2011 20:41

Client ID: 4501-BR2	Lab ID: C102361-10	Sampled: 03/17/11 10:42	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	09/13/11		03/21/11	16:40	3/23/2011 12:04
EPA 6010C	09/13/11		03/24/11	10:00	3/25/2011 13:27
EPA 6020A	09/13/11		03/21/11	12:33	3/23/2011 16:10
EPA 8260B	03/31/11		03/24/11	08:21	3/25/2011 21:10

Client ID: 4501-BR3	Lab ID: C102361-11	Sampled: 03/16/11 16:13	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	09/12/11		03/21/11	16:40	3/23/2011 12:07
EPA 6010C	09/12/11		03/24/11	10:00	3/25/2011 13:29
EPA 6020A	09/12/11		03/21/11	12:33	3/23/2011 16:14
EPA 8260B	03/30/11		03/24/11	08:21	3/25/2011 21:39

Client ID: 4501-SW1	Lab ID: C102361-12	Sampled: 03/17/11 11:01	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	09/13/11		03/21/11	16:40	3/23/2011 12:09
EPA 6010C	09/13/11		03/24/11	10:00	3/25/2011 13:32
EPA 6020A	09/13/11		03/21/11	12:33	3/23/2011 16:25
EPA 8260B	03/31/11		03/24/11	08:21	3/25/2011 22:09

Client ID: 4501-Field Blank	Lab ID: C102361-13	Sampled: 03/17/11 11:08	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	03/31/11		03/29/11	09:48	3/30/2011 08:40
EPA 6010C	09/13/11		03/21/11	16:40	3/23/2011 12:11
EPA 6010C	09/13/11		03/24/11	10:00	3/25/2011 13:35
EPA 6020A	09/13/11		03/21/11	12:33	3/23/2011 16:29
EPA 7470A	04/14/11		03/23/11	10:20	3/23/2011 15:45
EPA 8081B	03/24/11	05/01/11	03/22/11	19:10	3/28/2011 17:46
EPA 8082A	03/16/12	03/16/12	03/22/11	19:14	3/28/2011 17:46
EPA 8151A	03/24/11	05/02/11	03/23/11	16:00	3/25/2011 07:09
EPA 8260B	03/31/11		03/26/11	11:08	3/26/2011 17:08
EPA 8270D	03/24/11	04/30/11	03/21/11	07:15	3/30/2011 21:05
SM18 4500-S D	03/24/11		03/22/11	11:14	3/22/2011 11:35

Client ID: 4501-Trip Blank	Lab ID: C102361-14	Sampled: 03/16/11 09:15	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	03/30/11		03/26/11	11:08	3/26/2011 17:38

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4501-MW5 (Background) **Lab ID: C102361-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.226	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	71.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.208	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chromium - Total	2.55	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Copper - Total	9.85	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	4.92	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tin - Total	2.50	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	4.98	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	17.6		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW6 **Lab ID: C102361-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	16	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	39.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	0.517	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	1.32	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Copper - Total	6.75	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.28	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Tin - Total	3.17	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	2.77	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	36.7		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW7 **Lab ID: C102361-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.56	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	10		1	0.79	1.0	1	ug/L	EPA 8260B	
Antimony - Total	0.286	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	417		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.6		1	0.68	1.0	1	ug/L	EPA 8260B	
Beryllium - Total	0.422	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chlorobenzene	7.3		1	0.74	1.0	3	ug/L	EPA 8260B	
Chromium - Total	2.90	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	6.4		1	0.72	1.0	5	ug/L	EPA 8260B	
Thallium - Total	0.516	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Tin - Total	5.65	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vinyl chloride	1.3		1	0.60	1.0	1	ug/L	EPA 8260B	
Zinc - Total	7.03	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW8 (MS/MSD) **Lab ID: C102361-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	414		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	3.29	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.89	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	2.87	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.99	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	3.40	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Thallium - Total	1.12	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Tin - Total	7.24	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Zinc - Total	611		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW1S **Lab ID: C102361-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.460	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	216		1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	1.06		1	0.100	1.00	1	ug/L	EPA 6010C	
Cadmium - Total	1.07		1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	1.60	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	8.51	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	1.73	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Selenium - Total	5.08	JB	1	2.70	10.0	10	ug/L	EPA 6010C	J-01
Thallium - Total	0.274	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Zinc - Total	4.64	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW1D **Lab ID: C102361-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.91	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene	0.71	J	1	0.11	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	3.2		1	0.79	1.0	1	ug/L	EPA 8260B	
Antimony - Total	0.382	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	8.14	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.2		1	0.68	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	4.5		1	0.74	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	2.6	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Copper - Total	1.66	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Thallium - Total	0.491	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Zinc - Total	17.5		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW2S **Lab ID: C102361-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.0	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.3		1	0.79	1.0	1	ug/L	EPA 8260B	
Barium - Total	85.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.96	J	1	0.68	1.0	1	ug/L	EPA 8260B	
Beryllium - Total	1.80		1	0.100	1.00	1	ug/L	EPA 6010C	
Chlorobenzene	1.2	J	1	0.74	1.0	3	ug/L	EPA 8260B	
Chromium - Total	3.34	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	2.0	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	1.26	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	4.98	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	25.6		1	1.90	10.0	10	ug/L	EPA 6010C	
Mercury - Total	0.178	J	1	0.170	0.200	0.2	ug/L	EPA 7470A	
Thallium - Total	0.514	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Vanadium - Total	15.3	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	44.8		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW2D **Lab ID: C102361-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.365	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	2.71	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Lead - Total	2.69	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Zinc - Total	4.77	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-BR1 **Lab ID: C102361-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	89.8	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	2.21	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	1.94	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	9.17	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	4.31	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.92	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Thallium - Total	0.465	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Vanadium - Total	4.70	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	30.6		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-BR2 **Lab ID: C102361-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,2-Dichlorobenzene	0.79	J	1	0.11	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	2.8		1	0.79	1.0	1	ug/L	EPA 8260B	
Acetone	4.2	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	265		1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	1.1	J	1	0.74	1.0	3	ug/L	EPA 8260B	
Chromium - Total	3.97	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	5.87	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.33	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Silver - Total	2.81	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Thallium - Total	0.415	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Zinc - Total	5.84	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-BR3 **Lab ID: C102361-11**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	3.0	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	199		1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.543	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chromium - Total	2.42	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	1.82	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	4.73	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	3.29	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.04	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Thallium - Total	0.192	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Zinc - Total	53.8		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-SW1 **Lab ID: C102361-12**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	63.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.64	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	1.85	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.13	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Selenium - Total	3.09	JB	1	2.70	10.0	10	ug/L	EPA 6010C	J-01
Thallium - Total	0.675	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Zinc - Total	8.11	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-Field Blank **Lab ID: C102361-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Manganese - Total	3.57	J	1	1.10	10.0	50	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 4501-MW5 (Background) **Lab Sample ID:** C102361-01 **Received:** 03/18/11 10:00
Matrix: Ground Water **Sampled:** 03/16/11 09:15 **Work Order:** C102361
Project: Henderson Co. LF **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/25/11 03:16	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/25/11 03:16	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/25/11 03:16	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/25/11 03:16	jkg	
1,1-Dichloropropene [563-58-6] ^	0.66	U	ug/L	1	0.66	1.0	5	EPA 8260B	03/25/11 03:16	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 03:16	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/25/11 03:16	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/25/11 03:16	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.79	U	ug/L	1	0.79	1.0	5	EPA 8260B	03/25/11 03:16	jkg	
1,3-Dichloropropane [142-28-9] ^	0.67	U	ug/L	1	0.67	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
2,2-Dichloropropane [594-20-7] ^	0.56	U	ug/L	1	0.56	1.0	15	EPA 8260B	03/25/11 03:16	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/25/11 03:16	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/25/11 03:16	jkg	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	03/25/11 03:16	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/25/11 03:16	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	03/25/11 03:16	jkg	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	03/25/11 03:16	jkg	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	03/25/11 03:16	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/25/11 03:16	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/25/11 03:16	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/25/11 03:16	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 03:16	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/25/11 03:16	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/25/11 03:16	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/25/11 03:16	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/25/11 03:16	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	03/25/11 03:16	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	03/25/11 03:16	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/25/11 03:16	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/25/11 03:16	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.56	U	ug/L	1	0.56	1.0	5	EPA 8260B	03/25/11 03:16	jkg	

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Description: 4501-MW5 (Background) | **Lab Sample ID:** C102361-01 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 09:15 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	03/25/11 03:16	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/25/11 03:16	jkg	
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	03/25/11 03:16	jkg	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	03/25/11 03:16	jkg	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	03/25/11 03:16	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
Naphthalene [91-20-3] ^	0.46	U	ug/L	1	0.46	1.0	10	EPA 8260B	03/25/11 03:16	jkg	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	03/25/11 03:16	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/25/11 03:16	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/25/11 03:16	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/25/11 03:16	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/25/11 03:16	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 03:16	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*105 %*	*51-122*	*1C24024*	*EPA 8260B*	*03/25/11 03:16*	*jkg*	
Dibromofluoromethane	*52*	*1*	*50.0*	*103 %*	*68-117*	*1C24024*	*EPA 8260B*	*03/25/11 03:16*	*jkg*	
Toluene-d8	*55*	*1*	*50.0*	*109 %*	*69-110*	*1C24024*	*EPA 8260B*	*03/25/11 03:16*	*jkg*	

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Description: 4501-MW5 (Background) **Lab Sample ID:** C102361-01 **Received:** 03/18/11 10:00

Matrix: Ground Water **Sampled:** 03/16/11 09:15 **Work Order:** C102361

Project: Henderson Co. LF **Sampled By:** N. Rathjen / K. Brewer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
1,3,5-Trinitrobenzene [99-35-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
1,3-Dinitrobenzene [99-65-0]	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	03/30/11 19:24	DFM	
1,4-Naphthoquinone [130-15-4]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	03/30/11 19:24	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
1-Naphthylamine [134-32-7]	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	03/30/11 19:24	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:24	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:24	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	03/30/11 19:24	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	03/30/11 19:24	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:24	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 19:24	DFM	
2-Acetylaminofluorene [53-96-3]	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	03/30/11 19:24	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:24	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	03/30/11 19:24	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 19:24	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:24	DFM	
2-Naphthylamine [91-59-8]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	03/30/11 19:24	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:24	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 19:24	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	03/30/11 19:24	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	03/30/11 19:24	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	03/30/11 19:24	DFM	
4-Aminobiphenyl [92-67-1]	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	03/30/11 19:24	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	03/30/11 19:24	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	03/30/11 19:24	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 19:24	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	03/30/11 19:24	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	03/30/11 19:24	DFM	
5-Nitro-o-toluidine [99-55-8]	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	03/30/11 19:24	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:24	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:24	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:24	DFM	
Acetophenone [98-86-2]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 19:24	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	03/30/11 19:24	DFM	

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Description: 4501-MW5 (Background) **Lab Sample ID:** C102361-01 **Received:** 03/18/11 10:00

Matrix: Ground Water **Sampled:** 03/16/11 09:15 **Work Order:** C102361

Project: Henderson Co. LF **Sampled By:** N. Rathjen / K. Brewer

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] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	03/30/11 19:24	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:24	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:24	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	03/30/11 19:24	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 19:24	DFM	QV-01
Chlorobenzilate [510-15-6]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
Diallate [2303-16-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:24	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	6000	EPA 8270D	03/30/11 19:24	DFM	
Dimethoate [60-51-5]	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	03/30/11 19:24	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:24	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 19:24	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	03/30/11 19:24	DFM	
Disulfoton [298-04-4]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:24	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	03/30/11 19:24	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	03/30/11 19:24	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 19:24	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 19:24	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:24	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:24	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 19:24	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	03/30/11 19:24	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	03/30/11 19:24	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
Kepone [143-50-0]	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	03/30/11 19:24	DFM	
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	03/30/11 19:24	DFM	QV-01
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	03/30/11 19:24	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:24	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	03/30/11 19:24	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:24	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 19:24	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 19:24	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	03/30/11 19:24	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	03/30/11 19:24	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	

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Description: 4501-MW5 (Background) **Lab Sample ID:** C102361-01 **Received:** 03/18/11 10:00

Matrix: Ground Water **Sampled:** 03/16/11 09:15 **Work Order:** C102361

Project: Henderson Co. LF **Sampled By:** N. Rathjen / K. Brewer

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] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:24	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 19:24	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:24	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:24	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	03/30/11 19:24	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	03/30/11 19:24	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:24	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:24	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:24	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:24	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 19:24	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:24	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	03/30/11 19:24	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*92*	*1*	*100*	*92 %*	*10-179*	*1C21003*	*EPA 8270D*	*03/30/11 19:24*	*DFM*	
2-Fluorobiphenyl	*38*	*1*	*50.0*	*77 %*	*10-149*	*1C21003*	*EPA 8270D*	*03/30/11 19:24*	*DFM*	
2-Fluorophenol	*53*	*1*	*100*	*53 %*	*10-110*	*1C21003*	*EPA 8270D*	*03/30/11 19:24*	*DFM*	
Nitrobenzene-d5	*38*	*1*	*50.0*	*75 %*	*10-149*	*1C21003*	*EPA 8270D*	*03/30/11 19:24*	*DFM*	
Phenol-d5	*47*	*1*	*100*	*47 %*	*10-88*	*1C21003*	*EPA 8270D*	*03/30/11 19:24*	*DFM*	
Terphenyl-d14	*47*	*1*	*50.0*	*94 %*	*10-188*	*1C21003*	*EPA 8270D*	*03/30/11 19:24*	*DFM*	

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Description: 4501-MW5 (Background) | **Lab Sample ID:** C102361-01 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 09:15 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/11 16:46	MSZ	
4,4'-DDE [72-55-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 16:46	MSZ	
4,4'-DDT [50-29-3] ^	0.015	U	ug/L	1	0.015	0.050	0.1	EPA 8081B	03/28/11 16:46	MSZ	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 16:46	MSZ	
alpha-BHC [319-84-6] ^	0.015	U	ug/L	1	0.015	0.050	0.05	EPA 8081B	03/28/11 16:46	MSZ	
beta-BHC [319-85-7] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 16:46	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	03/28/11 16:46	MSZ	
Chlordane-alpha [5103-71-9] ^	0.014	U	ug/L	1	0.014	0.050	NE	EPA 8081B	03/28/11 16:46	MSZ	
Chlordane-gamma [5566-34-7] ^	0.012	U	ug/L	1	0.012	0.050	NE	EPA 8081B	03/28/11 16:46	MSZ	
delta-BHC [319-86-8] ^	0.014	U	ug/L	1	0.014	0.050	0.05	EPA 8081B	03/28/11 16:46	MSZ	
Dieldrin [60-57-1] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/11 16:46	MSZ	
Endosulfan I [959-98-8] ^	0.016	U	ug/L	1	0.016	0.050	0.1	EPA 8081B	03/28/11 16:46	MSZ	
Endosulfan II [33213-65-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 16:46	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 16:46	MSZ	
Endrin [72-20-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/11 16:46	MSZ	
Endrin aldehyde [7421-93-4] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 16:46	MSZ	
gamma-BHC [58-89-9] ^	0.016	U	ug/L	1	0.016	0.050	0.05	EPA 8081B	03/28/11 16:46	MSZ	
Heptachlor [76-44-8] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 16:46	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/11 16:46	MSZ	
Methoxychlor [72-43-5] ^	0.016	U	ug/L	1	0.016	0.050	1	EPA 8081B	03/28/11 16:46	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	03/28/11 16:46	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.96*	*1*	*1.00*	*96 %*	*44-134*	*1C22033*	*EPA 8081B*	*03/28/11 16:46*	*MSZ*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*109 %*	*37-149*	*1C22033*	*EPA 8081B*	*03/28/11 16:46*	*MSZ*	

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Description: 4501-MW5 (Background) | **Lab Sample ID:** C102361-01 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 09:15 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	03/28/11 16:46	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	03/28/11 16:46	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	03/28/11 16:46	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	03/28/11 16:46	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	03/28/11 16:46	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	03/28/11 16:46	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.80*	*1*	*1.00*	*80 %*	*45-151*	*1C22034*	*EPA 8082A*	*03/28/11 16:46*	*MSZ*	
Decachlorobiphenyl	*0.90*	*1*	*1.00*	*90 %*	*42-159*	*1C22034*	*EPA 8082A*	*03/28/11 16:46*	*MSZ*	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C102361-01	**Received:**	03/18/11 10:00
Matrix:	Ground Water	**Sampled:**	03/16/11 09:15	**Work Order:**	C102361
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen / K. Brewer		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 15:24	NLH	

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Description: 4501-MW5 (Background) | **Lab Sample ID:** C102361-01 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 09:15 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.226**	J	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 15:40	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 11:41	JDH	
Barium [7440-39-3] ^	**71.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 11:41	JDH	
Beryllium [7440-41-7] ^	**0.208**	J	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 11:41	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 11:41	JDH	
Chromium [7440-47-3] ^	**2.55**	J	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 11:41	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 11:41	JDH	
Copper [7440-50-8] ^	**9.85**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 11:41	JDH	
Lead [7439-92-1] ^	**4.92**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:41	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 11:41	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 11:41	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:41	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 15:40	VLO	
Tin [7440-31-5] ^	**2.50**	J	ug/L	1	2.10	10.0	100	EPA 6010C	03/23/11 11:41	JDH	
Vanadium [7440-62-2] ^	**4.98**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 11:41	JDH	
Zinc [7440-66-6] ^	**17.6**		ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 13:04	JDH	

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Description: 4501-MW5 (Background) | **Lab Sample ID:** C102361-01 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 09:15 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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] ^	3.9	U	ug/L	1	3.9	5.0	10	EPA 335.4	03/30/11 08:31	CCB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	03/22/11 11:35	JOC	

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Description: 4501-MW5 (Background) | **Lab Sample ID:** C102361-01 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 09:15 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.14	U	ug/L	1	0.14	0.50	2	EPA 8151A	03/25/11 05:56	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	03/25/11 05:56	RGG	
2,4-D [94-75-7] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	03/25/11 05:56	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	03/25/11 05:56	RGG	
Pentachlorophenol [87-86-5] ^	0.13	U	ug/L	1	0.13	0.50	25	EPA 8151A	03/25/11 05:56	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.5*	*1*	*2.00*	*74 %*	*68-139*	*1C22013*	*EPA 8151A*	*03/25/11 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-MW6 | **Lab Sample ID:** C102361-02 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 09:51 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/25/11 03:45	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/25/11 03:45	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/25/11 03:45	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/25/11 03:45	jkg	
1,1-Dichloropropene [563-58-6] ^	0.66	U	ug/L	1	0.66	1.0	5	EPA 8260B	03/25/11 03:45	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 03:45	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/25/11 03:45	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/25/11 03:45	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.79	U	ug/L	1	0.79	1.0	5	EPA 8260B	03/25/11 03:45	jkg	
1,3-Dichloropropane [142-28-9] ^	0.67	U	ug/L	1	0.67	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
2,2-Dichloropropane [594-20-7] ^	0.56	U	ug/L	1	0.56	1.0	15	EPA 8260B	03/25/11 03:45	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/25/11 03:45	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/25/11 03:45	jkg	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	03/25/11 03:45	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/25/11 03:45	jkg	
Acetone [67-64-1] ^	**16**	J	ug/L	1	1.2	5.0	100	EPA 8260B	03/25/11 03:45	jkg	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	03/25/11 03:45	jkg	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	03/25/11 03:45	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/25/11 03:45	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/25/11 03:45	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/25/11 03:45	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 03:45	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/25/11 03:45	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/25/11 03:45	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/25/11 03:45	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/25/11 03:45	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	03/25/11 03:45	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	03/25/11 03:45	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/25/11 03:45	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/25/11 03:45	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.56	U	ug/L	1	0.56	1.0	5	EPA 8260B	03/25/11 03:45	jkg	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	03/25/11 03:45	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/25/11 03:45	jkg	

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Description: 4501-MW6 | **Lab Sample ID:** C102361-02 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 09:51 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	03/25/11 03:45	jkg	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	03/25/11 03:45	jkg	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	03/25/11 03:45	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
Naphthalene [91-20-3] ^	0.46	U	ug/L	1	0.46	1.0	10	EPA 8260B	03/25/11 03:45	jkg	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	03/25/11 03:45	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/25/11 03:45	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/25/11 03:45	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/25/11 03:45	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/25/11 03:45	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 03:45	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*1C24024*	*EPA 8260B*	*03/25/11 03:45*	*jkg*	
Dibromofluoromethane	*54*	*1*	*50.0*	*107 %*	*68-117*	*1C24024*	*EPA 8260B*	*03/25/11 03:45*	*jkg*	
Toluene-d8	*52*	*1*	*50.0*	*104 %*	*69-110*	*1C24024*	*EPA 8260B*	*03/25/11 03:45*	*jkg*	

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Description: 4501-MW6 | **Lab Sample ID:** C102361-02 | **Received:** 03/18/11 10:00
Matrix: Ground Water | **Sampled:** 03/16/11 09:51 | **Work Order:** C102361
Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
1,3,5-Trinitrobenzene [99-35-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
1,3-Dinitrobenzene [99-65-0]	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	03/30/11 19:49	DFM	
1,4-Naphthoquinone [130-15-4]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	03/30/11 19:49	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
1-Naphthylamine [134-32-7]	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	03/30/11 19:49	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:49	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:49	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	03/30/11 19:49	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	03/30/11 19:49	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:49	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 19:49	DFM	
2-Acetylaminofluorene [53-96-3]	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	03/30/11 19:49	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:49	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	03/30/11 19:49	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 19:49	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:49	DFM	
2-Naphthylamine [91-59-8]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	03/30/11 19:49	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:49	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 19:49	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	03/30/11 19:49	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	03/30/11 19:49	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	03/30/11 19:49	DFM	
4-Aminobiphenyl [92-67-1]	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	03/30/11 19:49	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	03/30/11 19:49	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	03/30/11 19:49	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 19:49	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	03/30/11 19:49	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	03/30/11 19:49	DFM	
5-Nitro-o-toluidine [99-55-8]	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	03/30/11 19:49	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:49	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:49	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:49	DFM	
Acetophenone [98-86-2]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 19:49	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	03/30/11 19:49	DFM	

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Description: 4501-MW6 | **Lab Sample ID:** C102361-02 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 09:51 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	03/30/11 19:49	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:49	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:49	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	03/30/11 19:49	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 19:49	DFM	QV-01
Chlorobenzilate [510-15-6]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
Diallate [2303-16-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:49	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	6000	EPA 8270D	03/30/11 19:49	DFM	
Dimethoate [60-51-5]	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	03/30/11 19:49	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:49	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 19:49	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	03/30/11 19:49	DFM	
Disulfoton [298-04-4]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:49	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	03/30/11 19:49	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	03/30/11 19:49	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 19:49	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 19:49	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:49	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:49	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 19:49	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	03/30/11 19:49	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	03/30/11 19:49	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
Kepone [143-50-0]	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	03/30/11 19:49	DFM	
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	03/30/11 19:49	DFM	QV-01
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	03/30/11 19:49	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:49	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	03/30/11 19:49	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:49	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 19:49	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 19:49	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	03/30/11 19:49	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	03/30/11 19:49	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	

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Description: 4501-MW6 | **Lab Sample ID:** C102361-02 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 09:51 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 19:49	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 19:49	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:49	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 19:49	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	03/30/11 19:49	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	03/30/11 19:49	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:49	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:49	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 19:49	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 19:49	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 19:49	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 19:49	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	03/30/11 19:49	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*82*	*1*	*100*	*82 %*	*10-179*	*1C21003*	*EPA 8270D*	*03/30/11 19:49*	*DFM*	
2-Fluorobiphenyl	*33*	*1*	*50.0*	*67 %*	*10-149*	*1C21003*	*EPA 8270D*	*03/30/11 19:49*	*DFM*	
2-Fluorophenol	*44*	*1*	*100*	*44 %*	*10-110*	*1C21003*	*EPA 8270D*	*03/30/11 19:49*	*DFM*	
Nitrobenzene-d5	*31*	*1*	*50.0*	*61 %*	*10-149*	*1C21003*	*EPA 8270D*	*03/30/11 19:49*	*DFM*	
Phenol-d5	*41*	*1*	*100*	*41 %*	*10-88*	*1C21003*	*EPA 8270D*	*03/30/11 19:49*	*DFM*	
Terphenyl-d14	*42*	*1*	*50.0*	*85 %*	*10-188*	*1C21003*	*EPA 8270D*	*03/30/11 19:49*	*DFM*	

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Description: 4501-MW6 | **Lab Sample ID:** C102361-02 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 09:51 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/11 17:02	MSZ	
4,4'-DDE [72-55-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:02	MSZ	
4,4'-DDT [50-29-3] ^	0.015	U	ug/L	1	0.015	0.050	0.1	EPA 8081B	03/28/11 17:02	MSZ	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 17:02	MSZ	
alpha-BHC [319-84-6] ^	0.015	U	ug/L	1	0.015	0.050	0.05	EPA 8081B	03/28/11 17:02	MSZ	
beta-BHC [319-85-7] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 17:02	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	03/28/11 17:02	MSZ	
Chlordane-alpha [5103-71-9] ^	0.014	U	ug/L	1	0.014	0.050	NE	EPA 8081B	03/28/11 17:02	MSZ	
Chlordane-gamma [5566-34-7] ^	0.012	U	ug/L	1	0.012	0.050	NE	EPA 8081B	03/28/11 17:02	MSZ	
delta-BHC [319-86-8] ^	0.014	U	ug/L	1	0.014	0.050	0.05	EPA 8081B	03/28/11 17:02	MSZ	
Dieldrin [60-57-1] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/11 17:02	MSZ	
Endosulfan I [959-98-8] ^	0.016	U	ug/L	1	0.016	0.050	0.1	EPA 8081B	03/28/11 17:02	MSZ	
Endosulfan II [33213-65-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:02	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:02	MSZ	
Endrin [72-20-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/11 17:02	MSZ	
Endrin aldehyde [7421-93-4] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:02	MSZ	
gamma-BHC [58-89-9] ^	0.016	U	ug/L	1	0.016	0.050	0.05	EPA 8081B	03/28/11 17:02	MSZ	
Heptachlor [76-44-8] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 17:02	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/11 17:02	MSZ	
Methoxychlor [72-43-5] ^	0.016	U	ug/L	1	0.016	0.050	1	EPA 8081B	03/28/11 17:02	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	03/28/11 17:02	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.92*	*1*	*1.00*	*92 %*	*44-134*	*1C22033*	*EPA 8081B*	*03/28/11 17:02*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*115 %*	*37-149*	*1C22033*	*EPA 8081B*	*03/28/11 17:02*	*MSZ*	

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

Lab Sample ID: C102361-02
Sampled: 03/16/11 09:51
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	03/28/11 17:02	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	03/28/11 17:02	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	03/28/11 17:02	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	03/28/11 17:02	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	03/28/11 17:02	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	03/28/11 17:02	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.90*	*1*	*1.00*	*90 %*	*45-151*	*1C22034*	*EPA 8082A*	*03/28/11 17:02*	*MSZ*	
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*100 %*	*42-159*	*1C22034*	*EPA 8082A*	*03/28/11 17:02*	*MSZ*	

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

Lab Sample ID: C102361-02
Sampled: 03/16/11 09:51
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 15:27	NLH	

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Description: 4501-MW6 | **Lab Sample ID:** C102361-02 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 09:51 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 15:44	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 11:43	JDH	
Barium [7440-39-3] ^	**39.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 11:43	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 11:43	JDH	
Cadmium [7440-43-9] ^	**0.517**	J	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 11:43	JDH	
Chromium [7440-47-3] ^	**1.32**	J	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 11:43	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 11:43	JDH	
Copper [7440-50-8] ^	**6.75**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 11:43	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:43	JDH	
Nickel [7440-02-0] ^	**2.28**	J	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 11:43	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 11:43	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:43	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 15:44	VLO	
Tin [7440-31-5] ^	**3.17**	J	ug/L	1	2.10	10.0	100	EPA 6010C	03/23/11 11:43	JDH	
Vanadium [7440-62-2] ^	**2.77**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 11:43	JDH	
Zinc [7440-66-6] ^	**36.7**		ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 13:06	JDH	

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

Lab Sample ID: C102361-02
Sampled: 03/16/11 09:51
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

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] ^	3.9	U	ug/L	1	3.9	5.0	10	EPA 335.4	03/30/11 08:33	CCB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	03/22/11 11:35	JOC	

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Description: 4501-MW6
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Lab Sample ID: C102361-02
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Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.14	U	ug/L	1	0.14	0.50	2	EPA 8151A	03/25/11 06:20	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	03/25/11 06:20	RGG	
2,4-D [94-75-7] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	03/25/11 06:20	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	03/25/11 06:20	RGG	
Pentachlorophenol [87-86-5] ^	0.13	U	ug/L	1	0.13	0.50	25	EPA 8151A	03/25/11 06:20	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.9*	*1*	*2.00*	*93 %*	*68-139*	*1C22013*	*EPA 8151A*	*03/25/11 06:20*	*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 | **Lab Sample ID:** C102361-03 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 10:10 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/25/11 04:15	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/25/11 04:15	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
1,1-Dichloroethane [75-34-3] ^	**0.56**	J	ug/L	1	0.080	1.0	5	EPA 8260B	03/25/11 04:15	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/25/11 04:15	jkg	
1,1-Dichloropropene [563-58-6] ^	0.66	U	ug/L	1	0.66	1.0	5	EPA 8260B	03/25/11 04:15	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 04:15	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/25/11 04:15	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/25/11 04:15	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.79	U	ug/L	1	0.79	1.0	5	EPA 8260B	03/25/11 04:15	jkg	
1,3-Dichloropropane [142-28-9] ^	0.67	U	ug/L	1	0.67	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**10**		ug/L	1	0.79	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
2,2-Dichloropropane [594-20-7] ^	0.56	U	ug/L	1	0.56	1.0	15	EPA 8260B	03/25/11 04:15	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/25/11 04:15	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/25/11 04:15	jkg	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	03/25/11 04:15	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/25/11 04:15	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	03/25/11 04:15	jkg	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	03/25/11 04:15	jkg	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	03/25/11 04:15	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/25/11 04:15	jkg	
Benzene [71-43-2] ^	**1.6**		ug/L	1	0.68	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/25/11 04:15	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/25/11 04:15	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 04:15	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/25/11 04:15	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
Chlorobenzene [108-90-7] ^	**7.3**		ug/L	1	0.74	1.0	3	EPA 8260B	03/25/11 04:15	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/25/11 04:15	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/25/11 04:15	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	03/25/11 04:15	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**6.4**		ug/L	1	0.72	1.0	5	EPA 8260B	03/25/11 04:15	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/25/11 04:15	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/25/11 04:15	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.56	U	ug/L	1	0.56	1.0	5	EPA 8260B	03/25/11 04:15	jkg	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	03/25/11 04:15	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/25/11 04:15	jkg	

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Description: 4501-MW7 | **Lab Sample ID:** C102361-03 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 10:10 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	03/25/11 04:15	jkg	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	03/25/11 04:15	jkg	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	03/25/11 04:15	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
Naphthalene [91-20-3] ^	0.46	U	ug/L	1	0.46	1.0	10	EPA 8260B	03/25/11 04:15	jkg	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	03/25/11 04:15	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/25/11 04:15	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/25/11 04:15	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/25/11 04:15	jkg	
Vinyl chloride [75-01-4] ^	**1.3**		ug/L	1	0.60	1.0	1	EPA 8260B	03/25/11 04:15	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 04:15	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*51-122*	*1C24024*	*EPA 8260B*	*03/25/11 04:15*	*jkg*	
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*68-117*	*1C24024*	*EPA 8260B*	*03/25/11 04:15*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*109 %*	*69-110*	*1C24024*	*EPA 8260B*	*03/25/11 04:15*	*jkg*	

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Description: 4501-MW7 | **Lab Sample ID:** C102361-03 | **Received:** 03/18/11 10:00
Matrix: Ground Water | **Sampled:** 03/16/11 10:10 | **Work Order:** C102361
Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
1,3,5-Trinitrobenzene [99-35-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
1,3-Dinitrobenzene [99-65-0]	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	03/30/11 20:15	DFM	
1,4-Naphthoquinone [130-15-4]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	03/30/11 20:15	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
1-Naphthylamine [134-32-7]	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	03/30/11 20:15	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:15	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:15	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	03/30/11 20:15	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	03/30/11 20:15	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:15	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 20:15	DFM	
2-Acetylaminofluorene [53-96-3]	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	03/30/11 20:15	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:15	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	03/30/11 20:15	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 20:15	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:15	DFM	
2-Naphthylamine [91-59-8]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	03/30/11 20:15	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:15	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 20:15	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	03/30/11 20:15	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	03/30/11 20:15	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	03/30/11 20:15	DFM	
4-Aminobiphenyl [92-67-1]	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	03/30/11 20:15	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	03/30/11 20:15	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	03/30/11 20:15	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 20:15	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	03/30/11 20:15	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	03/30/11 20:15	DFM	
5-Nitro-o-toluidine [99-55-8]	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	03/30/11 20:15	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:15	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:15	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:15	DFM	
Acetophenone [98-86-2]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 20:15	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	03/30/11 20:15	DFM	

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Description: 4501-MW7 | **Lab Sample ID:** C102361-03 | **Received:** 03/18/11 10:00
Matrix: Ground Water | **Sampled:** 03/16/11 10:10 | **Work Order:** C102361
Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	03/30/11 20:15	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:15	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:15	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	03/30/11 20:15	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 20:15	DFM	QV-01
Chlorobenzilate [510-15-6]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
Diallate [2303-16-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:15	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	6000	EPA 8270D	03/30/11 20:15	DFM	
Dimethoate [60-51-5]	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	03/30/11 20:15	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:15	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 20:15	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	03/30/11 20:15	DFM	
Disulfoton [298-04-4]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:15	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	03/30/11 20:15	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	03/30/11 20:15	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 20:15	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 20:15	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:15	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:15	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 20:15	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	03/30/11 20:15	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	03/30/11 20:15	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
Kepone [143-50-0]	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	03/30/11 20:15	DFM	
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	03/30/11 20:15	DFM	QV-01
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	03/30/11 20:15	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:15	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	03/30/11 20:15	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:15	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 20:15	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 20:15	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	03/30/11 20:15	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	03/30/11 20:15	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	

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Description: 4501-MW7 | **Lab Sample ID:** C102361-03 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 10:10 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:15	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 20:15	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:15	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:15	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	03/30/11 20:15	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	03/30/11 20:15	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:15	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:15	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:15	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:15	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 20:15	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:15	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	03/30/11 20:15	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*91*	*1*	*100*	*91 %*	*10-179*	*1C21003*	*EPA 8270D*	*03/30/11 20:15*	*DFM*	
2-Fluorobiphenyl	*37*	*1*	*50.0*	*73 %*	*10-149*	*1C21003*	*EPA 8270D*	*03/30/11 20:15*	*DFM*	
2-Fluorophenol	*46*	*1*	*100*	*46 %*	*10-110*	*1C21003*	*EPA 8270D*	*03/30/11 20:15*	*DFM*	
Nitrobenzene-d5	*33*	*1*	*50.0*	*67 %*	*10-149*	*1C21003*	*EPA 8270D*	*03/30/11 20:15*	*DFM*	
Phenol-d5	*42*	*1*	*100*	*42 %*	*10-88*	*1C21003*	*EPA 8270D*	*03/30/11 20:15*	*DFM*	
Terphenyl-d14	*45*	*1*	*50.0*	*91 %*	*10-188*	*1C21003*	*EPA 8270D*	*03/30/11 20:15*	*DFM*	

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Description: 4501-MW7 | **Lab Sample ID:** C102361-03 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 10:10 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/11 17:16	MSZ	
4,4'-DDE [72-55-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:16	MSZ	
4,4'-DDT [50-29-3] ^	0.015	U	ug/L	1	0.015	0.050	0.1	EPA 8081B	03/28/11 17:16	MSZ	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 17:16	MSZ	
alpha-BHC [319-84-6] ^	0.015	U	ug/L	1	0.015	0.050	0.05	EPA 8081B	03/28/11 17:16	MSZ	
beta-BHC [319-85-7] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 17:16	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	03/28/11 17:16	MSZ	
Chlordane-alpha [5103-71-9] ^	0.014	U	ug/L	1	0.014	0.050	NE	EPA 8081B	03/28/11 17:16	MSZ	
Chlordane-gamma [5566-34-7] ^	0.012	U	ug/L	1	0.012	0.050	NE	EPA 8081B	03/28/11 17:16	MSZ	
delta-BHC [319-86-8] ^	0.014	U	ug/L	1	0.014	0.050	0.05	EPA 8081B	03/28/11 17:16	MSZ	
Dieldrin [60-57-1] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/11 17:16	MSZ	
Endosulfan I [959-98-8] ^	0.016	U	ug/L	1	0.016	0.050	0.1	EPA 8081B	03/28/11 17:16	MSZ	
Endosulfan II [33213-65-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:16	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:16	MSZ	
Endrin [72-20-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/11 17:16	MSZ	
Endrin aldehyde [7421-93-4] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:16	MSZ	
gamma-BHC [58-89-9] ^	0.016	U	ug/L	1	0.016	0.050	0.05	EPA 8081B	03/28/11 17:16	MSZ	
Heptachlor [76-44-8] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 17:16	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/11 17:16	MSZ	
Methoxychlor [72-43-5] ^	0.016	U	ug/L	1	0.016	0.050	1	EPA 8081B	03/28/11 17:16	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	03/28/11 17:16	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.86*	*1*	*1.00*	*86 %*	*44-134*	*1C22033*	*EPA 8081B*	*03/28/11 17:16*	*MSZ*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*108 %*	*37-149*	*1C22033*	*EPA 8081B*	*03/28/11 17:16*	*MSZ*	

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

Lab Sample ID: C102361-03
Sampled: 03/16/11 10:10
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	03/28/11 17:16	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	03/28/11 17:16	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	03/28/11 17:16	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	03/28/11 17:16	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	03/28/11 17:16	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	03/28/11 17:16	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*110 %*	*45-151*	*1C22034*	*EPA 8082A*	*03/28/11 17:16*	*MSZ*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*110 %*	*42-159*	*1C22034*	*EPA 8082A*	*03/28/11 17:16*	*MSZ*	

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

Lab Sample ID: C102361-03
Sampled: 03/16/11 10:10
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 15:30	NLH	

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Description: 4501-MW7 | **Lab Sample ID:** C102361-03 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 10:10 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.286**	J	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 15:48	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 11:45	JDH	
Barium [7440-39-3] ^	**417**		ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 11:45	JDH	
Beryllium [7440-41-7] ^	**0.422**	J	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 11:45	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 11:45	JDH	
Chromium [7440-47-3] ^	**2.90**	J	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 11:45	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 11:45	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 11:45	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:45	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 11:45	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 11:45	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:45	JDH	
Thallium [7440-28-0] ^	**0.516**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 15:48	VLO	
Tin [7440-31-5] ^	**5.65**	J	ug/L	1	2.10	10.0	100	EPA 6010C	03/23/11 11:45	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 11:45	JDH	
Zinc [7440-66-6] ^	**7.03**	J	ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 13:08	JDH	

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

Lab Sample ID: C102361-03
Sampled: 03/16/11 10:10
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

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] ^	3.9	U	ug/L	1	3.9	5.0	10	EPA 335.4	03/30/11 08:36	CCB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	03/22/11 11:35	JOC	

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

Lab Sample ID: C102361-03
Sampled: 03/16/11 10:10
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.14	U	ug/L	1	0.14	0.50	2	EPA 8151A	03/25/11 06:44	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	03/25/11 06:44	RGG	
2,4-D [94-75-7] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	03/25/11 06:44	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	03/25/11 06:44	RGG	
Pentachlorophenol [87-86-5] ^	0.13	U	ug/L	1	0.13	0.50	25	EPA 8151A	03/25/11 06:44	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.4*	*1*	*2.00*	*71 %*	*68-139*	*1C22013*	*EPA 8151A*	*03/25/11 06:44*	*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) **Lab Sample ID:** C102361-04 **Received:** 03/18/11 10:00
Matrix: Ground Water **Sampled:** 03/16/11 10:31 **Work Order:** C102361
Project: Henderson Co. LF **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/25/11 01:49	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/25/11 01:49	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/25/11 01:49	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/25/11 01:49	jkg	
1,1-Dichloropropene [563-58-6] ^	0.66	U	ug/L	1	0.66	1.0	5	EPA 8260B	03/25/11 01:49	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 01:49	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/25/11 01:49	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/25/11 01:49	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.79	U	ug/L	1	0.79	1.0	5	EPA 8260B	03/25/11 01:49	jkg	
1,3-Dichloropropane [142-28-9] ^	0.67	U	ug/L	1	0.67	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
2,2-Dichloropropane [594-20-7] ^	0.56	U	ug/L	1	0.56	1.0	15	EPA 8260B	03/25/11 01:49	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/25/11 01:49	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/25/11 01:49	jkg	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	03/25/11 01:49	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/25/11 01:49	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	03/25/11 01:49	jkg	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	03/25/11 01:49	jkg	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	03/25/11 01:49	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/25/11 01:49	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/25/11 01:49	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/25/11 01:49	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 01:49	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/25/11 01:49	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/25/11 01:49	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/25/11 01:49	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/25/11 01:49	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	03/25/11 01:49	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**0.89**	J	ug/L	1	0.72	1.0	5	EPA 8260B	03/25/11 01:49	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/25/11 01:49	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/25/11 01:49	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.56	U	ug/L	1	0.56	1.0	5	EPA 8260B	03/25/11 01:49	jkg	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	03/25/11 01:49	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/25/11 01:49	jkg	

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Description: 4501-MW8 (MS/MSD) | **Lab Sample ID:** C102361-04 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 10:31 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	03/25/11 01:49	jkg	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	03/25/11 01:49	jkg	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	03/25/11 01:49	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
Naphthalene [91-20-3] ^	0.46	U	ug/L	1	0.46	1.0	10	EPA 8260B	03/25/11 01:49	jkg	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	03/25/11 01:49	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/25/11 01:49	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/25/11 01:49	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/25/11 01:49	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/25/11 01:49	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 01:49	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*51-122*	*1C24024*	*EPA 8260B*	*03/25/11 01:49*	*jkg*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*68-117*	*1C24024*	*EPA 8260B*	*03/25/11 01:49*	*jkg*	
Toluene-d8	*53*	*1*	*50.0*	*106 %*	*69-110*	*1C24024*	*EPA 8260B*	*03/25/11 01:49*	*jkg*	

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Description: 4501-MW8 (MS/MSD) **Lab Sample ID:** C102361-04 **Received:** 03/18/11 10:00
Matrix: Ground Water **Sampled:** 03/16/11 10:31 **Work Order:** C102361
Project: Henderson Co. LF **Sampled By:** N. Rathjen / K. Brewer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
1,3,5-Trinitrobenzene [99-35-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
1,3-Dinitrobenzene [99-65-0]	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	03/30/11 20:40	DFM	
1,4-Naphthoquinone [130-15-4]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	03/30/11 20:40	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
1-Naphthylamine [134-32-7]	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	03/30/11 20:40	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:40	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:40	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	03/30/11 20:40	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	03/30/11 20:40	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:40	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 20:40	DFM	
2-Acetylaminofluorene [53-96-3]	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	03/30/11 20:40	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:40	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	03/30/11 20:40	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 20:40	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:40	DFM	
2-Naphthylamine [91-59-8]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	03/30/11 20:40	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:40	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 20:40	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	03/30/11 20:40	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	03/30/11 20:40	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	03/30/11 20:40	DFM	
4-Aminobiphenyl [92-67-1]	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	03/30/11 20:40	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	03/30/11 20:40	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	03/30/11 20:40	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 20:40	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	03/30/11 20:40	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	03/30/11 20:40	DFM	
5-Nitro-o-toluidine [99-55-8]	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	03/30/11 20:40	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:40	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:40	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:40	DFM	
Acetophenone [98-86-2]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 20:40	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	03/30/11 20:40	DFM	

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Description: 4501-MW8 (MS/MSD) **Lab Sample ID:** C102361-04 **Received:** 03/18/11 10:00
Matrix: Ground Water **Sampled:** 03/16/11 10:31 **Work Order:** C102361
Project: Henderson Co. LF **Sampled By:** N. Rathjen / K. Brewer

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] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	03/30/11 20:40	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:40	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:40	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	03/30/11 20:40	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
Chlorobenzilate [510-15-6]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
Diallate [2303-16-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:40	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	6000	EPA 8270D	03/30/11 20:40	DFM	
Dimethoate [60-51-5]	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	03/30/11 20:40	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:40	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 20:40	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	03/30/11 20:40	DFM	QV-01
Disulfoton [298-04-4]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:40	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	03/30/11 20:40	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	03/30/11 20:40	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 20:40	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 20:40	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:40	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:40	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 20:40	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	03/30/11 20:40	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	03/30/11 20:40	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
Kepone [143-50-0]	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	03/30/11 20:40	DFM	
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	03/30/11 20:40	DFM	
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	03/30/11 20:40	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:40	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	03/30/11 20:40	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:40	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 20:40	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 20:40	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	03/30/11 20:40	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	03/30/11 20:40	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	

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Description: 4501-MW8 (MS/MSD) | **Lab Sample ID:** C102361-04 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 10:31 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 20:40	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 20:40	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:40	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 20:40	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	03/30/11 20:40	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	03/30/11 20:40	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:40	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:40	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 20:40	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 20:40	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 20:40	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 20:40	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	03/30/11 20:40	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*100*	*1*	*100*	*101 %*	*10-179*	*1C21003*	*EPA 8270D*	*03/30/11 20:40*	*DFM*	
2-Fluorobiphenyl	*39*	*1*	*50.0*	*79 %*	*10-149*	*1C21003*	*EPA 8270D*	*03/30/11 20:40*	*DFM*	
2-Fluorophenol	*53*	*1*	*100*	*53 %*	*10-110*	*1C21003*	*EPA 8270D*	*03/30/11 20:40*	*DFM*	
Nitrobenzene-d5	*38*	*1*	*50.0*	*76 %*	*10-149*	*1C21003*	*EPA 8270D*	*03/30/11 20:40*	*DFM*	
Phenol-d5	*51*	*1*	*100*	*51 %*	*10-88*	*1C21003*	*EPA 8270D*	*03/30/11 20:40*	*DFM*	
Terphenyl-d14	*42*	*1*	*50.0*	*83 %*	*10-188*	*1C21003*	*EPA 8270D*	*03/30/11 20:40*	*DFM*	

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Description: 4501-MW8 (MS/MSD) | **Lab Sample ID:** C102361-04 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 10:31 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/11 17:30	MSZ	
4,4'-DDE [72-55-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:30	MSZ	
4,4'-DDT [50-29-3] ^	0.015	U	ug/L	1	0.015	0.050	0.1	EPA 8081B	03/28/11 17:30	MSZ	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 17:30	MSZ	
alpha-BHC [319-84-6] ^	0.015	U	ug/L	1	0.015	0.050	0.05	EPA 8081B	03/28/11 17:30	MSZ	
beta-BHC [319-85-7] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 17:30	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	03/28/11 17:30	MSZ	
Chlordane-alpha [5103-71-9] ^	0.014	U	ug/L	1	0.014	0.050	NE	EPA 8081B	03/28/11 17:30	MSZ	
Chlordane-gamma [5566-34-7] ^	0.012	U	ug/L	1	0.012	0.050	NE	EPA 8081B	03/28/11 17:30	MSZ	
delta-BHC [319-86-8] ^	0.014	U	ug/L	1	0.014	0.050	0.05	EPA 8081B	03/28/11 17:30	MSZ	
Dieldrin [60-57-1] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/11 17:30	MSZ	
Endosulfan I [959-98-8] ^	0.016	U	ug/L	1	0.016	0.050	0.1	EPA 8081B	03/28/11 17:30	MSZ	
Endosulfan II [33213-65-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:30	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:30	MSZ	
Endrin [72-20-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/11 17:30	MSZ	
Endrin aldehyde [7421-93-4] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:30	MSZ	
gamma-BHC [58-89-9] ^	0.016	U	ug/L	1	0.016	0.050	0.05	EPA 8081B	03/28/11 17:30	MSZ	
Heptachlor [76-44-8] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 17:30	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/11 17:30	MSZ	
Methoxychlor [72-43-5] ^	0.016	U	ug/L	1	0.016	0.050	1	EPA 8081B	03/28/11 17:30	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	03/28/11 17:30	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*103 %*	*44-134*	*1C22033*	*EPA 8081B*	*03/28/11 17:30*	*MSZ*	
Decachlorobiphenyl	*0.84*	*1*	*1.00*	*84 %*	*37-149*	*1C22033*	*EPA 8081B*	*03/28/11 17:30*	*MSZ*	

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Description: 4501-MW8 (MS/MSD) | **Lab Sample ID:** C102361-04 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 10:31 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	03/28/11 17:30	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	03/28/11 17:30	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	03/28/11 17:30	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	03/28/11 17:30	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	03/28/11 17:30	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	03/28/11 17:30	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.80*	*1*	*1.00*	*80 %*	*45-151*	*1C22034*	*EPA 8082A*	*03/28/11 17:30*	*MSZ*	
Decachlorobiphenyl	*0.60*	*1*	*1.00*	*60 %*	*42-159*	*1C22034*	*EPA 8082A*	*03/28/11 17:30*	*MSZ*	

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Description: 4501-MW8 (MS/MSD) **Lab Sample ID:** C102361-04 **Received:** 03/18/11 10:00
Matrix: Ground Water **Sampled:** 03/16/11 10:31 **Work Order:** C102361
Project: Henderson Co. LF **Sampled By:** N. Rathjen / K. Brewer

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 15:03	NLH	

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Description: 4501-MW8 (MS/MSD) **Lab Sample ID:** C102361-04 **Received:** 03/18/11 10:00

Matrix: Ground Water **Sampled:** 03/16/11 10:31 **Work Order:** C102361

Project: Henderson Co. LF **Sampled By:** N. Rathjen / K. Brewer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 14:56	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 11:17	JDH	
Barium [7440-39-3] ^	**414**		ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 11:17	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 11:17	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 11:17	JDH	
Chromium [7440-47-3] ^	**3.29**	J	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 11:17	JDH	
Cobalt [7440-48-4] ^	**2.87**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 11:17	JDH	
Copper [7440-50-8] ^	**2.99**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 11:17	JDH	
Lead [7439-92-1] ^	**3.40**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:17	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 11:17	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 11:17	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:17	JDH	
Thallium [7440-28-0] ^	**1.12**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 14:56	VLO	
Tin [7440-31-5] ^	**7.24**	J	ug/L	1	2.10	10.0	100	EPA 6010C	03/23/11 11:17	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 11:17	JDH	
Zinc [7440-66-6] ^	**611**		ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 12:41	JDH	

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

Lab Sample ID: C102361-04
Sampled: 03/16/11 10:31
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

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] ^	3.9	U	ug/L	1	3.9	5.0	10	EPA 335.4	03/30/11 08:38	CCB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	03/22/11 11:35	JOC	

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Description: 4501-MW8 (MS/MSD) | **Lab Sample ID:** C102361-04 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/16/11 10:31 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.14	U	ug/L	1	0.14	0.50	2	EPA 8151A	03/25/11 03:54	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	03/25/11 03:54	RGG	
2,4-D [94-75-7] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	03/25/11 03:54	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	03/25/11 03:54	RGG	
Pentachlorophenol [87-86-5] ^	0.13	U	ug/L	1	0.13	0.50	25	EPA 8151A	03/25/11 03:54	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.9*	*1*	*2.00*	*97 %*	*68-139*	*1C22013*	*EPA 8151A*	*03/25/11 03:54*	*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: C102361-05
Sampled: 03/16/11 12:20
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/25/11 18:45	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/25/11 18:45	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/25/11 18:45	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/25/11 18:45	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/25/11 18:45	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/25/11 18:45	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/25/11 18:45	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/25/11 18:45	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/25/11 18:45	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	03/25/11 18:45	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/25/11 18:45	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/25/11 18:45	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/25/11 18:45	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 18:45	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/25/11 18:45	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/25/11 18:45	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/25/11 18:45	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/25/11 18:45	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	03/25/11 18:45	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/25/11 18:45	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/25/11 18:45	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/25/11 18:45	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/25/11 18:45	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/25/11 18:45	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 18:45	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/25/11 18:45	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/25/11 18:45	jkg	

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

Lab Sample ID: C102361-05
Sampled: 03/16/11 12:20
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 18:45	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*51-122*	*1C25005*	*EPA 8260B*	*03/25/11 18:45*	*jkg*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*68-117*	*1C25005*	*EPA 8260B*	*03/25/11 18:45*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*107 %*	*69-110*	*1C25005*	*EPA 8260B*	*03/25/11 18:45*	*jkg*	

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

Lab Sample ID: C102361-05
Sampled: 03/16/11 12:20
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 15:33	NLH	

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

Lab Sample ID: C102361-05
Sampled: 03/16/11 12:20
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.460**	J	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 15:52	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 11:47	JDH	
Barium [7440-39-3] ^	**216**		ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 11:47	JDH	
Beryllium [7440-41-7] ^	**1.06**		ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 11:47	JDH	
Cadmium [7440-43-9] ^	**1.07**		ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 11:47	JDH	
Chromium [7440-47-3] ^	**1.60**	J	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 11:47	JDH	
Cobalt [7440-48-4] ^	**8.51**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 11:47	JDH	
Copper [7440-50-8] ^	**1.73**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 11:47	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:47	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 11:47	JDH	
Selenium [7782-49-2] ^	**5.08**	JB	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 11:47	JDH	J-01
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:47	JDH	
Thallium [7440-28-0] ^	**0.274**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 15:52	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 11:47	JDH	
Zinc [7440-66-6] ^	**4.64**	J	ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 13:10	JDH	

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

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

Lab Sample ID: C102361-06
Sampled: 03/16/11 12:26
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/25/11 19:14	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/25/11 19:14	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
1,1-Dichloroethane [75-34-3] ^	**0.91**	J	ug/L	1	0.080	1.0	5	EPA 8260B	03/25/11 19:14	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/25/11 19:14	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/25/11 19:14	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
1,2-Dichlorobenzene [95-50-1] ^	**0.71**	J	ug/L	1	0.11	1.0	5	EPA 8260B	03/25/11 19:14	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**3.2**		ug/L	1	0.79	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/25/11 19:14	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/25/11 19:14	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/25/11 19:14	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	03/25/11 19:14	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/25/11 19:14	jkg	
Benzene [71-43-2] ^	**1.2**		ug/L	1	0.68	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/25/11 19:14	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/25/11 19:14	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 19:14	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/25/11 19:14	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
Chlorobenzene [108-90-7] ^	**4.5**		ug/L	1	0.74	1.0	3	EPA 8260B	03/25/11 19:14	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/25/11 19:14	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/25/11 19:14	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**2.6**	J	ug/L	1	0.72	1.0	5	EPA 8260B	03/25/11 19:14	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/25/11 19:14	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/25/11 19:14	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/25/11 19:14	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/25/11 19:14	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/25/11 19:14	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 19:14	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/25/11 19:14	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/25/11 19:14	jkg	

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

Lab Sample ID: C102361-06
Sampled: 03/16/11 12:26
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 19:14	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*51-122*	*1C25005*	*EPA 8260B*	*03/25/11 19:14*	*jkg*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*68-117*	*1C25005*	*EPA 8260B*	*03/25/11 19:14*	*jkg*	
Toluene-d8	*52*	*1*	*50.0*	*105 %*	*69-110*	*1C25005*	*EPA 8260B*	*03/25/11 19:14*	*jkg*	

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

Lab Sample ID: C102361-06
Sampled: 03/16/11 12:26
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 15:37	NLH	

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

Lab Sample ID: C102361-06
Sampled: 03/16/11 12:26
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.382**	J	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 15:55	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 11:50	JDH	
Barium [7440-39-3] ^	**8.14**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 11:50	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 11:50	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 11:50	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 11:50	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 11:50	JDH	
Copper [7440-50-8] ^	**1.66**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 11:50	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:50	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 11:50	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 11:50	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:50	JDH	
Thallium [7440-28-0] ^	**0.491**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 15:55	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 11:50	JDH	
Zinc [7440-66-6] ^	**17.5**		ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 13:12	JDH	

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

Lab Sample ID: C102361-07
Sampled: 03/16/11 12:05
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/25/11 19:43	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/25/11 19:43	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
1,1-Dichloroethane [75-34-3] ^	**1.0**	J	ug/L	1	0.080	1.0	5	EPA 8260B	03/25/11 19:43	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/25/11 19:43	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/25/11 19:43	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/25/11 19:43	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**1.3**		ug/L	1	0.79	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/25/11 19:43	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/25/11 19:43	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/25/11 19:43	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	03/25/11 19:43	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/25/11 19:43	jkg	
Benzene [71-43-2] ^	**0.96**	J	ug/L	1	0.68	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/25/11 19:43	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/25/11 19:43	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 19:43	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/25/11 19:43	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
Chlorobenzene [108-90-7] ^	**1.2**	J	ug/L	1	0.74	1.0	3	EPA 8260B	03/25/11 19:43	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/25/11 19:43	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/25/11 19:43	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**2.0**	J	ug/L	1	0.72	1.0	5	EPA 8260B	03/25/11 19:43	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/25/11 19:43	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/25/11 19:43	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/25/11 19:43	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/25/11 19:43	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/25/11 19:43	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 19:43	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/25/11 19:43	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/25/11 19:43	jkg	

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

Lab Sample ID: C102361-07
Sampled: 03/16/11 12:05
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 19:43	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*103 %*	*51-122*	*1C25005*	*EPA 8260B*	*03/25/11 19:43*	*jkg*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*68-117*	*1C25005*	*EPA 8260B*	*03/25/11 19:43*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*109 %*	*69-110*	*1C25005*	*EPA 8260B*	*03/25/11 19:43*	*jkg*	

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Description:	4501-AMW2S	**Lab Sample ID:**	C102361-07	**Received:**	03/18/11 10:00
Matrix:	Ground Water	**Sampled:**	03/16/11 12:05	**Work Order:**	C102361
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen / K. Brewer		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.178**	J	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 15:40	NLH	

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

Lab Sample ID: C102361-07
Sampled: 03/16/11 12:05
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 15:59	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 11:52	JDH	
Barium [7440-39-3] ^	**85.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 11:52	JDH	
Beryllium [7440-41-7] ^	**1.80**		ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 11:52	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 11:52	JDH	
Chromium [7440-47-3] ^	**3.34**	J	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 11:52	JDH	
Cobalt [7440-48-4] ^	**1.26**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 11:52	JDH	
Copper [7440-50-8] ^	**4.98**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 11:52	JDH	
Lead [7439-92-1] ^	**25.6**		ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:52	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 11:52	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 11:52	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:52	JDH	
Thallium [7440-28-0] ^	**0.514**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 15:59	VLO	
Vanadium [7440-62-2] ^	**15.3**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 11:52	JDH	
Zinc [7440-66-6] ^	**44.8**		ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 13:15	JDH	

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

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

Lab Sample ID: C102361-08
Sampled: 03/16/11 12:10
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

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

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

Lab Sample ID: C102361-08
Sampled: 03/16/11 12:10
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 20:12	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*51-122*	*1C25005*	*EPA 8260B*	*03/25/11 20:12*	*jkg*	
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*68-117*	*1C25005*	*EPA 8260B*	*03/25/11 20:12*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*108 %*	*69-110*	*1C25005*	*EPA 8260B*	*03/25/11 20:12*	*jkg*	

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

Lab Sample ID: C102361-08
Sampled: 03/16/11 12:10
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 15:42	NLH	

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

Lab Sample ID: C102361-08
Sampled: 03/16/11 12:10
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.365**	J	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 16:03	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 11:54	JDH	
Barium [7440-39-3] ^	**2.71**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 11:54	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 11:54	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 11:54	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 11:54	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 11:54	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 11:54	JDH	
Lead [7439-92-1] ^	**2.69**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:54	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 11:54	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 11:54	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 11:54	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 16:03	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 11:54	JDH	
Zinc [7440-66-6] ^	**4.77**	J	ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 13:17	JDH	

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

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Description: 4501-BR1 | **Lab Sample ID:** C102361-09 | **Received:** 03/18/11 10:00

Matrix: Surface Water | **Sampled:** 03/16/11 11:04 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

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

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Description: 4501-BR1 | **Lab Sample ID:** C102361-09 | **Received:** 03/18/11 10:00
Matrix: Surface Water | **Sampled:** 03/16/11 11:04 | **Work Order:** C102361
Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 20:41	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*103 %*	*51-122*	*1C25005*	*EPA 8260B*	*03/25/11 20:41*	*jkg*	
Dibromofluoromethane	*52*	*1*	*50.0*	*103 %*	*68-117*	*1C25005*	*EPA 8260B*	*03/25/11 20:41*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*109 %*	*69-110*	*1C25005*	*EPA 8260B*	*03/25/11 20:41*	*jkg*	

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Description: 4501-BR1 | **Lab Sample ID:** C102361-09 | **Received:** 03/18/11 10:00

Matrix: Surface Water | **Sampled:** 03/16/11 11:04 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 16:07	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 12:02	JDH	
Barium [7440-39-3] ^	**89.8**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 12:02	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 12:02	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 12:02	JDH	
Chromium [7440-47-3] ^	**2.21**	J	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 12:02	JDH	
Cobalt [7440-48-4] ^	**1.94**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 12:02	JDH	
Copper [7440-50-8] ^	**9.17**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 12:02	JDH	
Lead [7439-92-1] ^	**4.31**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 12:02	JDH	
Nickel [7440-02-0] ^	**2.92**	J	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 12:02	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 12:02	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 12:02	JDH	
Thallium [7440-28-0] ^	**0.465**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 16:07	VLO	
Vanadium [7440-62-2] ^	**4.70**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 12:02	JDH	
Zinc [7440-66-6] ^	**30.6**		ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 13:25	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 | **Lab Sample ID:** C102361-10 | **Received:** 03/18/11 10:00

Matrix: Surface Water | **Sampled:** 03/17/11 10:42 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/25/11 21:10	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/25/11 21:10	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/25/11 21:10	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/25/11 21:10	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/25/11 21:10	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
1,2-Dichlorobenzene [95-50-1] ^	**0.79**	J	ug/L	1	0.11	1.0	5	EPA 8260B	03/25/11 21:10	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**2.8**		ug/L	1	0.79	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/25/11 21:10	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/25/11 21:10	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/25/11 21:10	jkg	
Acetone [67-64-1] ^	**4.2**	J	ug/L	1	1.2	5.0	100	EPA 8260B	03/25/11 21:10	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/25/11 21:10	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/25/11 21:10	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/25/11 21:10	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 21:10	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/25/11 21:10	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
Chlorobenzene [108-90-7] ^	**1.1**	J	ug/L	1	0.74	1.0	3	EPA 8260B	03/25/11 21:10	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/25/11 21:10	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/25/11 21:10	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	03/25/11 21:10	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/25/11 21:10	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/25/11 21:10	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/25/11 21:10	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/25/11 21:10	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/25/11 21:10	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 21:10	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/25/11 21:10	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/25/11 21:10	jkg	

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

Lab Sample ID: C102361-10
Sampled: 03/17/11 10:42
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 21:10	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*1C25005*	*EPA 8260B*	*03/25/11 21:10*	*jkg*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*68-117*	*1C25005*	*EPA 8260B*	*03/25/11 21:10*	*jkg*	
Toluene-d8	*55*	*1*	*50.0*	*110 %*	*69-110*	*1C25005*	*EPA 8260B*	*03/25/11 21:10*	*jkg*	

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Description: 4501-BR2 | **Lab Sample ID:** C102361-10 | **Received:** 03/18/11 10:00

Matrix: Surface Water | **Sampled:** 03/17/11 10:42 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 16:10	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 12:04	JDH	
Barium [7440-39-3] ^	**265**		ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 12:04	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 12:04	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 12:04	JDH	
Chromium [7440-47-3] ^	**3.97**	J	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 12:04	JDH	
Cobalt [7440-48-4] ^	**5.87**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 12:04	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 12:04	JDH	
Lead [7439-92-1] ^	**2.33**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 12:04	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 12:04	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 12:04	JDH	
Silver [7440-22-4] ^	**2.81**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 12:04	JDH	
Thallium [7440-28-0] ^	**0.415**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 16:10	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 12:04	JDH	
Zinc [7440-66-6] ^	**5.84**	J	ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 13:27	JDH	

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

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Description: 4501-BR3 | **Lab Sample ID:** C102361-11 | **Received:** 03/18/11 10:00

Matrix: Surface Water | **Sampled:** 03/16/11 16:13 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/25/11 21:39	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/25/11 21:39	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/25/11 21:39	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/25/11 21:39	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/25/11 21:39	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/25/11 21:39	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/25/11 21:39	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/25/11 21:39	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/25/11 21:39	jkg	
Acetone [67-64-1] ^	**3.0**	J	ug/L	1	1.2	5.0	100	EPA 8260B	03/25/11 21:39	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/25/11 21:39	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/25/11 21:39	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/25/11 21:39	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 21:39	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/25/11 21:39	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/25/11 21:39	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/25/11 21:39	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/25/11 21:39	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	03/25/11 21:39	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/25/11 21:39	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/25/11 21:39	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/25/11 21:39	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/25/11 21:39	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/25/11 21:39	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 21:39	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/25/11 21:39	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/25/11 21:39	jkg	

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Description: 4501-BR3 | **Lab Sample ID:** C102361-11 | **Received:** 03/18/11 10:00

Matrix: Surface Water | **Sampled:** 03/16/11 16:13 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 21:39	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*51-122*	*1C25005*	*EPA 8260B*	*03/25/11 21:39*	*jkg*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*68-117*	*1C25005*	*EPA 8260B*	*03/25/11 21:39*	*jkg*	
Toluene-d8	*53*	*1*	*50.0*	*106 %*	*69-110*	*1C25005*	*EPA 8260B*	*03/25/11 21:39*	*jkg*	

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Description: 4501-BR3 | **Lab Sample ID:** C102361-11 | **Received:** 03/18/11 10:00

Matrix: Surface Water | **Sampled:** 03/16/11 16:13 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 16:14	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 12:07	JDH	
Barium [7440-39-3] ^	**199**		ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 12:07	JDH	
Beryllium [7440-41-7] ^	**0.543**	J	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 12:07	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 12:07	JDH	
Chromium [7440-47-3] ^	**2.42**	J	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 12:07	JDH	
Cobalt [7440-48-4] ^	**1.82**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 12:07	JDH	
Copper [7440-50-8] ^	**4.73**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 12:07	JDH	
Lead [7439-92-1] ^	**3.29**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 12:07	JDH	
Nickel [7440-02-0] ^	**2.04**	J	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 12:07	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 12:07	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 12:07	JDH	
Thallium [7440-28-0] ^	**0.192**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 16:14	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 12:07	JDH	
Zinc [7440-66-6] ^	**53.8**		ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 13:29	JDH	

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

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Description: 4501-SW1 | **Lab Sample ID:** C102361-12 | **Received:** 03/18/11 10:00

Matrix: Surface Water | **Sampled:** 03/17/11 11:01 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/25/11 22:09	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/25/11 22:09	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/25/11 22:09	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/25/11 22:09	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/25/11 22:09	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/25/11 22:09	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/25/11 22:09	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/25/11 22:09	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/25/11 22:09	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	03/25/11 22:09	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/25/11 22:09	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/25/11 22:09	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/25/11 22:09	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 22:09	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/25/11 22:09	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/25/11 22:09	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/25/11 22:09	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/25/11 22:09	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	03/25/11 22:09	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/25/11 22:09	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/25/11 22:09	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/25/11 22:09	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/25/11 22:09	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/25/11 22:09	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 22:09	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/25/11 22:09	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/25/11 22:09	jkg	

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Description:	4501-SW1	**Lab Sample ID:**	C102361-12	**Received:**	03/18/11 10:00
Matrix:	Surface Water	**Sampled:**	03/17/11 11:01	**Work Order:**	C102361
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen / K. Brewer		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 22:09	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*51-122*	*1C25005*	*EPA 8260B*	*03/25/11 22:09*	*jkg*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*68-117*	*1C25005*	*EPA 8260B*	*03/25/11 22:09*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*108 %*	*69-110*	*1C25005*	*EPA 8260B*	*03/25/11 22:09*	*jkg*	

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Description: 4501-SW1 | **Lab Sample ID:** C102361-12 | **Received:** 03/18/11 10:00

Matrix: Surface Water | **Sampled:** 03/17/11 11:01 | **Work Order:** C102361

Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 16:25	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 12:09	JDH	
Barium [7440-39-3] ^	**63.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 12:09	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 12:09	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 12:09	JDH	
Chromium [7440-47-3] ^	**1.64**	J	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 12:09	JDH	
Cobalt [7440-48-4] ^	**1.85**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 12:09	JDH	
Copper [7440-50-8] ^	**2.13**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 12:09	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 12:09	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 12:09	JDH	
Selenium [7782-49-2] ^	**3.09**	JB	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 12:09	JDH	J-01
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 12:09	JDH	
Thallium [7440-28-0] ^	**0.675**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 16:25	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 12:09	JDH	
Zinc [7440-66-6] ^	**8.11**	J	ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 13:32	JDH	

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

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Description: 4501-Field Blank | **Lab Sample ID:** C102361-13 | **Received:** 03/18/11 10:00
Matrix: Water | **Sampled:** 03/17/11 11:08 | **Work Order:** C102361
Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/26/11 17:08	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/26/11 17:08	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/26/11 17:08	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/26/11 17:08	jkg	
1,1-Dichloropropene [563-58-6] ^	0.66	U	ug/L	1	0.66	1.0	5	EPA 8260B	03/26/11 17:08	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/26/11 17:08	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/11 17:08	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/11 17:08	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.79	U	ug/L	1	0.79	1.0	5	EPA 8260B	03/26/11 17:08	jkg	
1,3-Dichloropropane [142-28-9] ^	0.67	U	ug/L	1	0.67	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
2,2-Dichloropropane [594-20-7] ^	0.56	U	ug/L	1	0.56	1.0	15	EPA 8260B	03/26/11 17:08	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/26/11 17:08	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/26/11 17:08	jkg	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	03/26/11 17:08	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/11 17:08	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	03/26/11 17:08	jkg	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	03/26/11 17:08	jkg	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	03/26/11 17:08	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/26/11 17:08	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/26/11 17:08	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/26/11 17:08	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/26/11 17:08	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/11 17:08	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/26/11 17:08	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/26/11 17:08	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/26/11 17:08	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	03/26/11 17:08	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	03/26/11 17:08	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/26/11 17:08	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/26/11 17:08	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.56	U	ug/L	1	0.56	1.0	5	EPA 8260B	03/26/11 17:08	jkg	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	03/26/11 17:08	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/26/11 17:08	jkg	

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

Lab Sample ID: C102361-13
Sampled: 03/17/11 11:08
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	03/26/11 17:08	jkg	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	03/26/11 17:08	jkg	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	03/26/11 17:08	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
Naphthalene [91-20-3] ^	0.46	U	ug/L	1	0.46	1.0	10	EPA 8260B	03/26/11 17:08	jkg	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	03/26/11 17:08	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	03/26/11 17:08	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/26/11 17:08	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/26/11 17:08	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/26/11 17:08	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/26/11 17:08	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/26/11 17:08	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*101 %*	*51-122*	*1C26002*	*EPA 8260B*	*03/26/11 17:08*	*jkg*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*68-117*	*1C26002*	*EPA 8260B*	*03/26/11 17:08*	*jkg*	
Toluene-d8	*53*	*1*	*50.0*	*106 %*	*69-110*	*1C26002*	*EPA 8260B*	*03/26/11 17:08*	*jkg*	

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Description: 4501-Field Blank | **Lab Sample ID:** C102361-13 | **Received:** 03/18/11 10:00
Matrix: Water | **Sampled:** 03/17/11 11:08 | **Work Order:** C102361
Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
1,3,5-Trinitrobenzene [99-35-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
1,3-Dinitrobenzene [99-65-0]	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	03/30/11 21:05	DFM	
1,4-Naphthoquinone [130-15-4]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	03/30/11 21:05	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
1-Naphthylamine [134-32-7]	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	03/30/11 21:05	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 21:05	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 21:05	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	03/30/11 21:05	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	03/30/11 21:05	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 21:05	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 21:05	DFM	
2-Acetylaminofluorene [53-96-3]	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	03/30/11 21:05	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 21:05	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	03/30/11 21:05	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 21:05	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 21:05	DFM	
2-Naphthylamine [91-59-8]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	03/30/11 21:05	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 21:05	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 21:05	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	03/30/11 21:05	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	03/30/11 21:05	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	03/30/11 21:05	DFM	
4-Aminobiphenyl [92-67-1]	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	03/30/11 21:05	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	03/30/11 21:05	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	03/30/11 21:05	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 21:05	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	03/30/11 21:05	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	03/30/11 21:05	DFM	
5-Nitro-o-toluidine [99-55-8]	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	03/30/11 21:05	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 21:05	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 21:05	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 21:05	DFM	
Acetophenone [98-86-2]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	03/30/11 21:05	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	03/30/11 21:05	DFM	

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Description: 4501-Field Blank | **Lab Sample ID:** C102361-13 | **Received:** 03/18/11 10:00
Matrix: Water | **Sampled:** 03/17/11 11:08 | **Work Order:** C102361
Project: Henderson Co. LF | **Sampled By:** N. Rathjen / K. Brewer

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] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	03/30/11 21:05	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 21:05	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 21:05	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	03/30/11 21:05	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 21:05	DFM	QV-01
Chlorobenzilate [510-15-6]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
Diallate [2303-16-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 21:05	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	6000	EPA 8270D	03/30/11 21:05	DFM	
Dimethoate [60-51-5]	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	03/30/11 21:05	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 21:05	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 21:05	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	03/30/11 21:05	DFM	
Disulfoton [298-04-4]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 21:05	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	03/30/11 21:05	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	03/30/11 21:05	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 21:05	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 21:05	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 21:05	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 21:05	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 21:05	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	03/30/11 21:05	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	03/30/11 21:05	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
Kepone [143-50-0]	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	03/30/11 21:05	DFM	
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	03/30/11 21:05	DFM	QV-01
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	03/30/11 21:05	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 21:05	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	03/30/11 21:05	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 21:05	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	03/30/11 21:05	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 21:05	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	03/30/11 21:05	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	03/30/11 21:05	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	

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

Lab Sample ID: C102361-13
Sampled: 03/17/11 11:08
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

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] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	03/30/11 21:05	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	03/30/11 21:05	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 21:05	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	03/30/11 21:05	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	03/30/11 21:05	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	03/30/11 21:05	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 21:05	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 21:05	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	03/30/11 21:05	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	03/30/11 21:05	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	03/30/11 21:05	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	03/30/11 21:05	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	03/30/11 21:05	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*100*	*1*	*100*	*100 %*	*10-179*	*1C21003*	*EPA 8270D*	*03/30/11 21:05*	*DFM*	
2-Fluorobiphenyl	*40*	*1*	*50.0*	*79 %*	*10-149*	*1C21003*	*EPA 8270D*	*03/30/11 21:05*	*DFM*	
2-Fluorophenol	*54*	*1*	*100*	*54 %*	*10-110*	*1C21003*	*EPA 8270D*	*03/30/11 21:05*	*DFM*	
Nitrobenzene-d5	*40*	*1*	*50.0*	*79 %*	*10-149*	*1C21003*	*EPA 8270D*	*03/30/11 21:05*	*DFM*	
Phenol-d5	*49*	*1*	*100*	*49 %*	*10-88*	*1C21003*	*EPA 8270D*	*03/30/11 21:05*	*DFM*	
Terphenyl-d14	*48*	*1*	*50.0*	*97 %*	*10-188*	*1C21003*	*EPA 8270D*	*03/30/11 21:05*	*DFM*	

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Description: 4501-Field Blank
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Lab Sample ID: C102361-13
Sampled: 03/17/11 11:08
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/11 17:46	MSZ	
4,4'-DDE [72-55-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:46	MSZ	
4,4'-DDT [50-29-3] ^	0.015	U	ug/L	1	0.015	0.050	0.1	EPA 8081B	03/28/11 17:46	MSZ	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 17:46	MSZ	
alpha-BHC [319-84-6] ^	0.015	U	ug/L	1	0.015	0.050	0.05	EPA 8081B	03/28/11 17:46	MSZ	
beta-BHC [319-85-7] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 17:46	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	03/28/11 17:46	MSZ	
Chlordane-alpha [5103-71-9] ^	0.014	U	ug/L	1	0.014	0.050	NE	EPA 8081B	03/28/11 17:46	MSZ	
Chlordane-gamma [5566-34-7] ^	0.012	U	ug/L	1	0.012	0.050	NE	EPA 8081B	03/28/11 17:46	MSZ	
delta-BHC [319-86-8] ^	0.014	U	ug/L	1	0.014	0.050	0.05	EPA 8081B	03/28/11 17:46	MSZ	
Dieldrin [60-57-1] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/11 17:46	MSZ	
Endosulfan I [959-98-8] ^	0.016	U	ug/L	1	0.016	0.050	0.1	EPA 8081B	03/28/11 17:46	MSZ	
Endosulfan II [33213-65-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:46	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:46	MSZ	
Endrin [72-20-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/11 17:46	MSZ	
Endrin aldehyde [7421-93-4] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/11 17:46	MSZ	
gamma-BHC [58-89-9] ^	0.016	U	ug/L	1	0.016	0.050	0.05	EPA 8081B	03/28/11 17:46	MSZ	
Heptachlor [76-44-8] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/11 17:46	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/11 17:46	MSZ	
Methoxychlor [72-43-5] ^	0.016	U	ug/L	1	0.016	0.050	1	EPA 8081B	03/28/11 17:46	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	03/28/11 17:46	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*102 %*	*44-134*	*1C22033*	*EPA 8081B*	*03/28/11 17:46*	*MSZ*	
Decachlorobiphenyl	*0.96*	*1*	*1.00*	*96 %*	*37-149*	*1C22033*	*EPA 8081B*	*03/28/11 17:46*	*MSZ*	

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Lab Sample ID: C102361-13
Sampled: 03/17/11 11:08
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	03/28/11 17:46	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	03/28/11 17:46	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	03/28/11 17:46	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	03/28/11 17:46	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	03/28/11 17:46	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	03/28/11 17:46	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.90*	*1*	*1.00*	*90 %*	*45-151*	*1C22034*	*EPA 8082A*	*03/28/11 17:46*	*MSZ*	
Decachlorobiphenyl	*0.80*	*1*	*1.00*	*80 %*	*42-159*	*1C22034*	*EPA 8082A*	*03/28/11 17:46*	*MSZ*	

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Lab Sample ID: C102361-13
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Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 15:45	NLH	

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Received: 03/18/11 10:00
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Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	03/23/11 16:29	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 12:11	JDH	
Barium [7440-39-3] ^	1.00	U	ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 12:11	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 12:11	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 12:11	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 12:11	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 12:11	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 12:11	JDH	
Iron [7439-89-6] ^	22.0	U	ug/L	1	22.0	50.0	300	EPA 6010C	03/23/11 12:11	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 12:11	JDH	
Manganese [7439-96-5] ^	**3.57**	J	ug/L	1	1.10	10.0	50	EPA 6010C	03/23/11 12:11	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 12:11	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 12:11	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 12:11	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/23/11 16:29	VLO	
Tin [7440-31-5] ^	2.10	U	ug/L	1	2.10	10.0	100	EPA 6010C	03/23/11 12:11	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 12:11	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	03/25/11 13:35	JDH	

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

Lab Sample ID: C102361-13
Sampled: 03/17/11 11:08
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

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] ^	3.9	U	ug/L	1	3.9	5.0	10	EPA 335.4	03/30/11 08:40	CCB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	03/22/11 11:35	JOC	

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

Lab Sample ID: C102361-13
Sampled: 03/17/11 11:08
Sampled By: N. Rathjen / K. Brewer

Received: 03/18/11 10:00
Work Order: C102361

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.14	U	ug/L	1	0.14	0.50	2	EPA 8151A	03/25/11 07:09	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	03/25/11 07:09	RGG	
2,4-D [94-75-7] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	03/25/11 07:09	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	03/25/11 07:09	RGG	
Pentachlorophenol [87-86-5] ^	0.13	U	ug/L	1	0.13	0.50	25	EPA 8151A	03/25/11 07:09	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.6*	*1*	*2.00*	*81 %*	*68-139*	*1C22013*	*EPA 8151A*	*03/25/11 07:09*	*RGG*	

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Description: 4501-Trip Blank | **Lab Sample ID:** C102361-14 | **Received:** 03/18/11 10:00

Matrix: Water | **Sampled:** 03/16/11 09:15 | **Work Order:** C102361

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

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/26/11 17:38	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/26/11 17:38	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/26/11 17:38	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/26/11 17:38	jkg	
1,1-Dichloropropene [563-58-6] ^	0.66	U	ug/L	1	0.66	1.0	5	EPA 8260B	03/26/11 17:38	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/26/11 17:38	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/11 17:38	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/11 17:38	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.79	U	ug/L	1	0.79	1.0	5	EPA 8260B	03/26/11 17:38	jkg	
1,3-Dichloropropane [142-28-9] ^	0.67	U	ug/L	1	0.67	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
2,2-Dichloropropane [594-20-7] ^	0.56	U	ug/L	1	0.56	1.0	15	EPA 8260B	03/26/11 17:38	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/26/11 17:38	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/26/11 17:38	jkg	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	03/26/11 17:38	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/11 17:38	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	03/26/11 17:38	jkg	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	03/26/11 17:38	jkg	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	03/26/11 17:38	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/26/11 17:38	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/26/11 17:38	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/26/11 17:38	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/26/11 17:38	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/11 17:38	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/26/11 17:38	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/26/11 17:38	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/26/11 17:38	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	03/26/11 17:38	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	03/26/11 17:38	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/26/11 17:38	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/26/11 17:38	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.56	U	ug/L	1	0.56	1.0	5	EPA 8260B	03/26/11 17:38	jkg	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	03/26/11 17:38	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/26/11 17:38	jkg	

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

Lab Sample ID: C102361-14
Sampled: 03/16/11 09:15
Sampled By: ENCO

Received: 03/18/11 10:00
Work Order: C102361

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	03/26/11 17:38	jkg	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	03/26/11 17:38	jkg	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	03/26/11 17:38	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
Naphthalene [91-20-3] ^	0.46	U	ug/L	1	0.46	1.0	10	EPA 8260B	03/26/11 17:38	jkg	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	03/26/11 17:38	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	03/26/11 17:38	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/26/11 17:38	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/26/11 17:38	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/26/11 17:38	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/26/11 17:38	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/26/11 17:38	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*1C26002*	*EPA 8260B*	*03/26/11 17:38*	*jkg*	
Dibromofluoromethane	*54*	*1*	*50.0*	*107 %*	*68-117*	*1C26002*	*EPA 8260B*	*03/26/11 17:38*	*jkg*	
Toluene-d8	*53*	*1*	*50.0*	*106 %*	*69-110*	*1C26002*	*EPA 8260B*	*03/26/11 17:38*	*jkg*	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1C24024 - EPA 5030B_MS

Blank (1C24024-BLK1) Prepared: 03/24/2011 12:34 Analyzed: 03/24/2011 23:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,1-Dichloropropene	0.66	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.58	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,3-Dichlorobenzene	0.79	U	1.0	ug/L							
1,3-Dichloropropane	0.67	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2,2-Dichloropropane	0.56	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
3-Chloropropene	0.11	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acetonitrile	5.0	U	10	ug/L							
Acrolein	4.0	U	10	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
Chloroprene	0.64	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Dichlorodifluoromethane	0.56	U	1.0	ug/L							
Ethyl Methacrylate	0.38	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Isobutyl alcohol	11	U	50	ug/L							
Methacrylonitrile	4.9	U	10	ug/L							
Methyl Methacrylate	0.51	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1C24024 - EPA 5030B_MS

Blank (1C24024-BLK1) Continued Prepared: 03/24/2011 12:34 Analyzed: 03/24/2011 23:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.14	U	1.0	ug/L							
Naphthalene	0.46	U	1.0	ug/L							
Propionitrile	5.0	U	10	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*103*	*51-122*			
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*103*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*106*	*69-110*			

LCS (1C24024-BS1) Prepared: 03/24/2011 12:34 Analyzed: 03/24/2011 23:52

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		113	75-133			
Benzene	22		1.0	ug/L	20.0		109	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		94	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			
Trichloroethene	22		1.0	ug/L	20.0		108	75-115			

Matrix Spike (1C24024-MS1) Prepared: 03/24/2011 12:34 Analyzed: 03/25/2011 00:21

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.60 U	112	75-133			
Benzene	22		1.0	ug/L	20.0	0.68 U	109	81-134			
Chlorobenzene	17		1.0	ug/L	20.0	0.74 U	87	83-117			
Toluene	18		1.0	ug/L	20.0	0.85 U	88	71-118			
Trichloroethene	22		1.0	ug/L	20.0	0.72 U	111	75-115			

Matrix Spike Dup (1C24024-MSD1) Prepared: 03/24/2011 12:34 Analyzed: 03/25/2011 00:50

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.60 U	119	75-133	6	20	
Benzene	22		1.0	ug/L	20.0	0.68 U	112	81-134	3	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.74 U	94	83-117	7	16	
Toluene	19		1.0	ug/L	20.0	0.85 U	93	71-118	6	17	
Trichloroethene	22		1.0	ug/L	20.0	0.72 U	112	75-115	0.5	18	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1C25005 - EPA 5030B_MS

Blank (1C25005-BLK1) Prepared: 03/25/2011 08:06 Analyzed: 03/25/2011 13:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*103*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1C25005 - EPA 5030B_MS

Blank (1C25005-BLK1) Continued Prepared: 03/25/2011 08:06 Analyzed: 03/25/2011 13:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*105*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*107*	*69-110*			

LCS (1C25005-BS1) Prepared: 03/25/2011 08:06 Analyzed: 03/25/2011 13:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0		122	75-133			
Benzene	23		1.0	ug/L	20.0		113	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		96	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			
Trichloroethene	22		1.0	ug/L	20.0		109	75-115			

Matrix Spike (1C25005-MS1) Prepared: 03/25/2011 08:06 Analyzed: 03/25/2011 14:21

Source: C103666-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.60 U	113	75-133			
Benzene	21		1.0	ug/L	20.0	0.68 U	105	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.74 U	93	83-117			
Toluene	18		1.0	ug/L	20.0	0.85 U	90	71-118			
Trichloroethene	22		1.0	ug/L	20.0	0.72 U	109	75-115			

Matrix Spike Dup (1C25005-MSD1) Prepared: 03/25/2011 08:06 Analyzed: 03/25/2011 14:50

Source: C103666-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.60 U	114	75-133	0.6	20	
Benzene	21		1.0	ug/L	20.0	0.68 U	107	81-134	1	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.74 U	90	83-117	4	16	
Toluene	18		1.0	ug/L	20.0	0.85 U	90	71-118	0.4	17	
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	106	75-115	2	18	

Batch 1C26002 - EPA 5030B_MS

Blank (1C26002-BLK1) Prepared: 03/26/2011 11:08 Analyzed: 03/26/2011 12:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,1-Dichloropropene	0.66	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.58	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1C26002 - EPA 5030B_MS

Blank (1C26002-BLK1) Continued Prepared: 03/26/2011 11:08 Analyzed: 03/26/2011 12:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,3-Dichlorobenzene	0.79	U	1.0	ug/L							
1,3-Dichloropropane	0.67	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2,2-Dichloropropane	0.56	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
3-Chloropropene	0.11	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acetonitrile	5.0	U	10	ug/L							
Acrolein	4.0	U	10	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
Chloroprene	0.64	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Dichlorodifluoromethane	0.56	U	1.0	ug/L							
Ethyl Methacrylate	0.38	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Isobutyl alcohol	11	U	50	ug/L							
Methacrylonitrile	4.9	U	10	ug/L							
Methyl Methacrylate	0.51	U	1.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Naphthalene	0.46	U	1.0	ug/L							
Propionitrile	5.0	U	10	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1C26002 - EPA 5030B_MS

Blank (1C26002-BLK1) Continued Prepared: 03/26/2011 11:08 Analyzed: 03/26/2011 12:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*100*	*51-122*			
Surrogate: Dibromofluoromethane	*53*			*ug/L*	*50.0*		*106*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*106*	*69-110*			

LCS (1C26002-BS1) Prepared: 03/26/2011 11:08 Analyzed: 03/26/2011 13:14

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		113	75-133			
Benzene	22		1.0	ug/L	20.0		109	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		99	83-117			
Toluene	20		1.0	ug/L	20.0		98	71-118			
Trichloroethene	22		1.0	ug/L	20.0		109	75-115			

Matrix Spike (1C26002-MS1) Prepared: 03/26/2011 11:08 Analyzed: 03/26/2011 13:43

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.60 U	115	75-133			
Benzene	21		1.0	ug/L	20.0	0.68 U	106	81-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.74 U	91	83-117			
Toluene	18		1.0	ug/L	20.0	0.85 U	90	71-118			
Trichloroethene	22		1.0	ug/L	20.0	0.72 U	111	75-115			

Matrix Spike Dup (1C26002-MSD1) Prepared: 03/26/2011 11:08 Analyzed: 03/26/2011 14:13

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.60 U	111	75-133	3	20	
Benzene	21		1.0	ug/L	20.0	0.68 U	104	81-134	1	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.74 U	89	83-117	3	16	
Toluene	18		1.0	ug/L	20.0	0.85 U	89	71-118	2	17	
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	105	75-115	5	18	

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1C21003 - EPA 3510C_MS

Blank (1C21003-BLK1) Prepared: 03/21/2011 07:15 Analyzed: 03/25/2011 20:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	2.0	U	10	ug/L							
1,3,5-Trinitrobenzene	3.0	U	10	ug/L							
1,3-Dinitrobenzene	1.9	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1C21003 - EPA 3510C_MS

Blank (1C21003-BLK1) Continued Prepared: 03/21/2011 07:15 Analyzed: 03/25/2011 20:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,4-Naphthoquinone	2.5	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	1.9	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	2.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.0	U	10	ug/L							
2,4,6-Trichlorophenol	1.1	U	10	ug/L							
2,4-Dichlorophenol	1.4	U	10	ug/L							
2,4-Dimethylphenol	1.3	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,4-Dinitrotoluene	2.4	U	10	ug/L							
2,6-Dichlorophenol	1.1	U	10	ug/L							
2,6-Dinitrotoluene	1.5	U	10	ug/L							
2-Acetylaminofluorene	2.5	U	10	ug/L							
2-Chloronaphthalene	1.0	U	10	ug/L							
2-Chlorophenol	1.2	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	2.9	U	10	ug/L							
2-Methylnaphthalene	1.5	U	10	ug/L							
2-Methylphenol	1.4	U	10	ug/L							
2-Naphthylamine	3.0	U	10	ug/L							
2-Nitroaniline	1.5	U	10	ug/L							
2-Nitrophenol	1.1	U	10	ug/L							
3 & 4-Methylphenol	1.6	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3,3'-Dimethylbenzidine	2.2	U	10	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	2.1	U	10	ug/L							
4-Aminobiphenyl	2.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.5	U	10	ug/L							
4-Chloroaniline	1.2	U	10	ug/L							
4-Chlorophenyl-phenylether	1.6	U	10	ug/L							
4-Nitroaniline	3.2	U	10	ug/L							
4-Nitrophenol	2.0	U	10	ug/L							
5-Nitro-o-toluidine	3.2	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	1.4	U	10	ug/L							
Acenaphthylene	1.2	U	10	ug/L							
Acetophenone	1.3	U	10	ug/L							
Anthracene	1.6	U	10	ug/L							
Benzo(a)anthracene	1.3	U	10	ug/L							
Benzo(a)pyrene	1.3	U	10	ug/L							
Benzo(b)fluoranthene	1.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.4	U	10	ug/L							
Benzo(k)fluoranthene	1.3	U	10	ug/L							
Benzyl alcohol	1.4	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.4	U	10	ug/L							
Bis(2-chloroethyl)ether	1.2	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.3	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.7	U	5.0	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1C21003 - EPA 3510C_MS

Blank (1C21003-BLK1) Continued Prepared: 03/21/2011 07:15 Analyzed: 03/25/2011 20:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Butylbenzylphthalate	2.0	U	10	ug/L							
Chlorobenzilate	1.0	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Diallate	1.0	U	10	ug/L							
Dibenzo(a,h)anthracene	2.3	U	10	ug/L							
Dibenzofuran	1.4	U	10	ug/L							
Diethylphthalate	2.1	U	10	ug/L							
Dimethoate	2.3	U	10	ug/L							
Dimethylphthalate	1.4	U	10	ug/L							
Di-n-butylphthalate	1.5	U	10	ug/L							
Di-n-octylphthalate	3.1	U	10	ug/L							QV-01
Disulfoton	1.1	U	10	ug/L							
Ethyl methanesulfonate	1.2	U	10	ug/L							
Famphur	2.7	U	10	ug/L							
Fluoranthene	2.1	U	10	ug/L							
Fluorene	1.7	U	10	ug/L							
Hexachlorobenzene	1.0	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.3	U	10	ug/L							
Hexachloroethane	1.1	U	10	ug/L							
Hexachloropropene	1.7	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.2	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.3	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Kepone	7.2	U	20	ug/L							
Methapyrilene	3.5	U	10	ug/L							
Methyl Methanesulfonate	1.0	U	10	ug/L							
Methyl parathion	2.5	U	10	ug/L							
Nitrobenzene	1.2	U	10	ug/L							
N-Nitrosodiethylamine	1.3	U	10	ug/L							
N-Nitrosodimethylamine	1.3	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.2	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	2.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.1	U	10	ug/L							
N-Nitrosopyrrolidine	1.3	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	1.3	U	10	ug/L							
o-Toluidine	1.1	U	10	ug/L							
Parathion	1.7	U	10	ug/L							
p-Dimethylaminoazobenzene	1.4	U	10	ug/L							
Pentachlorobenzene	1.3	U	10	ug/L							
Pentachloronitrobenzene	1.0	U	10	ug/L							
Phenacetin	2.7	U	10	ug/L							
Phenanthrene	1.4	U	10	ug/L							
Phenol	1.4	U	10	ug/L							
Phorate	1.0	U	10	ug/L							
Pronamide	1.4	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1C21003 - EPA 3510C_MS

Blank (1C21003-BLK1) Continued Prepared: 03/21/2011 07:15 Analyzed: 03/25/2011 20:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Pyrene	2.1	U	10	ug/L							
Safrole	1.2	U	10	ug/L							
Thionazin	2.3	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*84*			*ug/L*	*100*		*84*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*32*			*ug/L*	*50.0*		*64*	*10-149*			
Surrogate: 2-Fluorophenol	*44*			*ug/L*	*100*		*44*	*10-110*			
Surrogate: Nitrobenzene-d5	*29*			*ug/L*	*50.0*		*59*	*10-149*			
Surrogate: Phenol-d5	*41*			*ug/L*	*100*		*41*	*10-88*			
Surrogate: Terphenyl-d14	*41*			*ug/L*	*50.0*		*82*	*10-188*			

LCS (1C21003-BS1) Prepared: 03/21/2011 07:15 Analyzed: 03/25/2011 20:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	39		10	ug/L	50.0		78	40-109			
4-Chloro-3-methylphenol	44		10	ug/L	50.0		88	58-121			
4-Nitrophenol	29		10	ug/L	50.0		58	33-105			
Acenaphthene	39		10	ug/L	50.0		78	39-125			
N-Nitroso-di-n-propylamine	44		10	ug/L	50.0		87	48-126			
Phenol	26		10	ug/L	50.0		51	19-78			
Pyrene	44		10	ug/L	50.0		88	44-137			
Surrogate: 2,4,6-Tribromophenol	*91*			*ug/L*	*100*		*91*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*41*			*ug/L*	*50.0*		*82*	*10-149*			
Surrogate: 2-Fluorophenol	*57*			*ug/L*	*100*		*57*	*10-110*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*78*	*10-149*			
Surrogate: Phenol-d5	*50*			*ug/L*	*100*		*50*	*10-88*			
Surrogate: Terphenyl-d14	*41*			*ug/L*	*50.0*		*82*	*10-188*			

Matrix Spike (1C21003-MS1) Prepared: 03/21/2011 07:15 Analyzed: 03/25/2011 20:58

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	36		10	ug/L	50.0	1.2 U	72	40-109			
4-Chloro-3-methylphenol	47		10	ug/L	50.0	1.5 U	94	58-121			
4-Nitrophenol	33		10	ug/L	50.0	2.0 U	66	33-105			
Acenaphthene	39		10	ug/L	50.0	1.4 U	78	39-125			
N-Nitroso-di-n-propylamine	41		10	ug/L	50.0	1.5 U	83	48-126			
Phenol	24		10	ug/L	50.0	1.4 U	49	19-78			
Pyrene	42		10	ug/L	50.0	2.1 U	85	44-137			
Surrogate: 2,4,6-Tribromophenol	*93*			*ug/L*	*100*		*93*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*78*	*10-149*			
Surrogate: 2-Fluorophenol	*52*			*ug/L*	*100*		*52*	*10-110*			
Surrogate: Nitrobenzene-d5	*37*			*ug/L*	*50.0*		*73*	*10-149*			
Surrogate: Phenol-d5	*47*			*ug/L*	*100*		*47*	*10-88*			
Surrogate: Terphenyl-d14	*40*			*ug/L*	*50.0*		*79*	*10-188*			

Matrix Spike Dup (1C21003-MSD1) Prepared: 03/21/2011 07:15 Analyzed: 03/25/2011 21:23

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1C21003 - EPA 3510C_MS

Matrix Spike Dup (1C21003-MSD1) Continued Prepared: 03/21/2011 07:15 Analyzed: 03/25/2011 21:23

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	38		10	ug/L	50.0	1.2 U	76	40-109	6	22	
4-Chloro-3-methylphenol	48		10	ug/L	50.0	1.5 U	96	58-121	2	22	
4-Nitrophenol	35		10	ug/L	50.0	2.0 U	70	33-105	5	27	
Acenaphthene	40		10	ug/L	50.0	1.4 U	80	39-125	3	25	
N-Nitroso-di-n-propylamine	44		10	ug/L	50.0	1.5 U	89	48-126	7	23	
Phenol	25		10	ug/L	50.0	1.4 U	51	19-78	5	18	
Pyrene	44		10	ug/L	50.0	2.1 U	88	44-137	3	24	
Surrogate: 2,4,6-Tribromophenol	*97*			*ug/L*	*100*		*97*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*41*			*ug/L*	*50.0*		*82*	*10-149*			
Surrogate: 2-Fluorophenol	*56*			*ug/L*	*100*		*56*	*10-110*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*77*	*10-149*			
Surrogate: Phenol-d5	*51*			*ug/L*	*100*		*51*	*10-88*			
Surrogate: Terphenyl-d14	*43*			*ug/L*	*50.0*		*86*	*10-188*			

Organochlorine Pesticides by GC - Quality Control

Batch 1C22033 - EPA 3510C

Blank (1C22033-BLK1) Prepared: 03/22/2011 19:10 Analyzed: 03/28/2011 14:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.013	U	0.050	ug/L							
4,4'-DDE	0.012	U	0.050	ug/L							
4,4'-DDT	0.015	U	0.050	ug/L							
Aldrin	0.012	U	0.050	ug/L							
alpha-BHC	0.015	U	0.050	ug/L							
beta-BHC	0.012	U	0.050	ug/L							
Chlordane (tech)	0.20	U	0.50	ug/L							
Chlordane-alpha	0.014	U	0.050	ug/L							
Chlordane-gamma	0.012	U	0.050	ug/L							
delta-BHC	0.014	U	0.050	ug/L							
Dieldrin	0.0089	U	0.050	ug/L							
Endosulfan I	0.016	U	0.050	ug/L							
Endosulfan II	0.012	U	0.050	ug/L							
Endosulfan sulfate	0.012	U	0.050	ug/L							
Endrin	0.013	U	0.050	ug/L							
Endrin aldehyde	0.012	U	0.050	ug/L							
gamma-BHC	0.016	U	0.050	ug/L							
Heptachlor	0.012	U	0.050	ug/L							
Heptachlor epoxide	0.0089	U	0.050	ug/L							
Methoxychlor	0.016	U	0.050	ug/L							
Toxaphene	0.22	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.96*			*ug/L*	*1.00*		*96*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.2*			*ug/L*	*1.00*		*116*	*37-149*			

LCS (1C22033-BS1) Prepared: 03/22/2011 19:10 Analyzed: 03/28/2011 14:22

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 1C22033 - EPA 3510C

LCS (1C22033-BS1) Continued Prepared: 03/22/2011 19:10 Analyzed: 03/28/2011 14:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.0		0.050	ug/L	1.00		102	37-139			
Dieldrin	1.0		0.050	ug/L	1.00		101	46-132			
Endrin	1.0		0.050	ug/L	1.00		103	43-133			
Surrogate: 2,4,5,6-TCMX	*0.97*			*ug/L*	*1.00*		*97*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*113*	*37-149*			

Matrix Spike (1C22033-MS1) Prepared: 03/22/2011 19:10 Analyzed: 03/28/2011 14:35

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.86		0.050	ug/L	1.00	0.015 U	86	37-139			
Dieldrin	1.0		0.050	ug/L	1.00	0.0089 U	100	46-132			
Endrin	1.1		0.050	ug/L	1.00	0.013 U	109	43-133			
Surrogate: 2,4,5,6-TCMX	*0.97*			*ug/L*	*1.00*		*97*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.73*			*ug/L*	*1.00*		*73*	*37-149*			

Matrix Spike Dup (1C22033-MSD1) Prepared: 03/22/2011 19:10 Analyzed: 03/28/2011 14:48

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.86		0.050	ug/L	1.00	0.015 U	86	37-139	0.3	26	
Dieldrin	0.99		0.050	ug/L	1.00	0.0089 U	99	46-132	0.7	27	
Endrin	1.1		0.050	ug/L	1.00	0.013 U	106	43-133	2	26	
Surrogate: 2,4,5,6-TCMX	*0.91*			*ug/L*	*1.00*		*91*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.67*			*ug/L*	*1.00*		*67*	*37-149*			

Polychlorinated Biphenyls by GC - Quality Control

Batch 1C22034 - EPA 3510C

Blank (1C22034-BLK1) Prepared: 03/22/2011 19:14 Analyzed: 03/28/2011 14:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.19	U	0.50	ug/L							
PCB-1221	0.046	U	0.50	ug/L							
PCB-1232	0.028	U	0.50	ug/L							
PCB-1248	0.014	U	0.50	ug/L							
PCB-1254	0.015	U	0.50	ug/L							
PCB-1260	0.13	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.90*			*ug/L*	*1.00*		*90*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.90*			*ug/L*	*1.00*		*90*	*42-159*			

LCS (1C22034-BS1) Prepared: 03/22/2011 19:14 Analyzed: 03/28/2011 15:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	10		0.50	ug/L	10.0		103	66-149			
PCB-1260	11		0.50	ug/L	10.0		110	64-150			

QUALITY CONTROL

Polychlorinated Biphenyls by GC - Quality Control

Batch 1C22034 - EPA 3510C

LCS (1C22034-BS1) Continued Prepared: 03/22/2011 19:14 Analyzed: 03/28/2011 15:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2,4,5,6-TCMX	*0.90*			*ug/L*	*1.00*		*90*	*45-151*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*100*	*42-159*			

Matrix Spike (1C22034-MS1) Prepared: 03/22/2011 19:14 Analyzed: 03/28/2011 16:18

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	10		0.50	ug/L	10.0	0.19 U	102	66-149			
PCB-1260	10		0.50	ug/L	10.0	0.13 U	101	64-150			
Surrogate: 2,4,5,6-TCMX	*0.90*			*ug/L*	*1.00*		*90*	*45-151*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*110*	*42-159*			

Matrix Spike Dup (1C22034-MSD1) Prepared: 03/22/2011 19:14 Analyzed: 03/28/2011 16:32

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	10		0.50	ug/L	10.0	0.19 U	102	66-149	0.2	21	
PCB-1260	11		0.50	ug/L	10.0	0.13 U	111	64-150	9	18	
Surrogate: 2,4,5,6-TCMX	*0.80*			*ug/L*	*1.00*		*80*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.70*			*ug/L*	*1.00*		*70*	*42-159*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1C23016 - EPA 245.1

Blank (1C23016-BLK1) Prepared: 03/23/2011 10:20 Analyzed: 03/23/2011 14:57

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

LCS (1C23016-BS1) Prepared: 03/23/2011 10:20 Analyzed: 03/23/2011 15:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.85		0.200	ug/L	5.00		97	85-115			

Matrix Spike (1C23016-MS1) Prepared: 03/23/2011 10:20 Analyzed: 03/23/2011 15:06

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.46		0.200	ug/L	5.00	0.170 U	89	85-115			

Matrix Spike Dup (1C23016-MSD1) Prepared: 03/23/2011 10:20 Analyzed: 03/23/2011 15:10

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.35		0.200	ug/L	5.00	0.170 U	87	85-115	2	15	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1C23016 - EPA 245.1

Post Spike (1C23016-PS1) Prepared: 03/23/2011 10:20 Analyzed: 03/23/2011 15:18

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.08		0.200	ug/L	5.00	0.0555	81	75-125			

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

Batch 1C21019 - EPA 3005A

Blank (1C21019-BLK1) Prepared: 03/21/2011 12:33 Analyzed: 03/23/2011 14:49

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

LCS (1C21019-BS1) Prepared: 03/21/2011 12:33 Analyzed: 03/23/2011 15:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.2		2.00	ug/L	25.0		105	80-120			
Selenium	27.9		1.00	ug/L	25.0		112	80-120			
Thallium	26.9		1.00	ug/L	25.0		108	80-120			

Matrix Spike (1C21019-MS1) Prepared: 03/21/2011 12:33 Analyzed: 03/23/2011 15:03

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.1		2.00	ug/L	25.0	0.220 U	100	80-120			
Selenium	26.8		1.00	ug/L	25.0	0.830 U	107	80-120			
Thallium	26.4		1.00	ug/L	25.0	1.12	101	80-120			

Matrix Spike Dup (1C21019-MSD1) Prepared: 03/21/2011 12:33 Analyzed: 03/23/2011 15:07

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.8		2.00	ug/L	25.0	0.220 U	99	80-120	1	20	
Selenium	26.6		1.00	ug/L	25.0	0.830 U	106	80-120	0.6	20	
Thallium	26.4		1.00	ug/L	25.0	1.12	101	80-120	0.09	20	

Post Spike (1C21019-PS1) Prepared: 03/21/2011 12:33 Analyzed: 03/23/2011 15:11

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	28.3		2.00	ug/L	25.0	0.147	113	80-120			
Selenium	31.9		1.00	ug/L	25.0	0.823	124	80-120			QM-08
Thallium	29.4		1.00	ug/L	25.0	1.12	113	80-120			

Batch 1C21026 - EPA 3005A

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QUALITY CONTROL

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

Batch 1C21026 - EPA 3005A

Blank (1C21026-BLK1) Prepared: 03/21/2011 16:40 Analyzed: 03/23/2011 11:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Iron	22.0	U	50.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Manganese	1.10	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Selenium	**3.32**	**J**	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							

LCS (1C21026-BS1) Prepared: 03/21/2011 16:40 Analyzed: 03/23/2011 11:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	486		10.0	ug/L	500		97	80-120			
Barium	500		10.0	ug/L	500		100	80-120			
Beryllium	249		1.00	ug/L	250		100	80-120			
Cadmium	254		1.00	ug/L	250		102	80-120			
Chromium	503		10.0	ug/L	500		101	80-120			
Cobalt	494		10.0	ug/L	500		99	80-120			
Copper	254		10.0	ug/L	250		102	80-120			
Iron	5010		50.0	ug/L	5000		100	80-120			
Lead	493		10.0	ug/L	500		99	80-120			
Manganese	251		10.0	ug/L	250		100	80-120			
Nickel	496		10.0	ug/L	500		99	80-120			
Selenium	486	B	10.0	ug/L	500		97	80-120			
Silver	252		10.0	ug/L	250		101	80-120			
Tin	491		10.0	ug/L	500		98	80-120			
Vanadium	254		10.0	ug/L	250		102	80-120			

Matrix Spike (1C21026-MS1) Prepared: 03/21/2011 16:40 Analyzed: 03/23/2011 11:22

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	593		10.0	ug/L	500	2.80 U	119	75-125			
Barium	981		10.0	ug/L	500	414	113	75-125			
Beryllium	304		1.00	ug/L	250	0.100 U	122	75-125			
Cadmium	295		1.00	ug/L	250	0.360 U	118	75-125			
Chromium	583		10.0	ug/L	500	3.29	116	75-125			
Cobalt	601		10.0	ug/L	500	2.87	120	75-125			
Copper	298		10.0	ug/L	250	2.99	118	75-125			
Iron	7490		50.0	ug/L	5000	1620	117	75-125			
Lead	589		10.0	ug/L	500	3.40	117	75-125			

QUALITY CONTROL

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

Batch 1C21026 - EPA 3005A

Matrix Spike (1C21026-MS1) Continued Prepared: 03/21/2011 16:40 Analyzed: 03/23/2011 11:22

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Manganese	3940		10.0	ug/L	250	3700	98	75-125			
Nickel	574		10.0	ug/L	500	1.80 U	115	75-125			
Selenium	600	B	10.0	ug/L	500	2.70 U	120	75-125			
Silver	286		10.0	ug/L	250	1.90 U	115	75-125			
Tin	573		10.0	ug/L	500	7.24	113	75-125			
Vanadium	300		10.0	ug/L	250	1.40 U	120	75-125			

Matrix Spike Dup (1C21026-MSD1) Prepared: 03/21/2011 16:40 Analyzed: 03/23/2011 11:24

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	584		10.0	ug/L	500	2.80 U	117	75-125	2	20	
Barium	972		10.0	ug/L	500	414	112	75-125	0.9	20	
Beryllium	296		1.00	ug/L	250	0.100 U	119	75-125	2	20	
Cadmium	287		1.00	ug/L	250	0.360 U	115	75-125	3	20	
Chromium	569		10.0	ug/L	500	3.29	113	75-125	2	20	
Cobalt	588		10.0	ug/L	500	2.87	117	75-125	2	20	
Copper	289		10.0	ug/L	250	2.99	114	75-125	3	20	
Iron	7350		50.0	ug/L	5000	1620	115	75-125	2	20	
Lead	574		10.0	ug/L	500	3.40	114	75-125	2	20	
Manganese	4000		10.0	ug/L	250	3700	122	75-125	2	20	
Nickel	558		10.0	ug/L	500	1.80 U	112	75-125	3	20	
Selenium	587	B	10.0	ug/L	500	2.70 U	117	75-125	2	20	
Silver	288		10.0	ug/L	250	1.90 U	115	75-125	0.7	20	
Tin	578		10.0	ug/L	500	7.24	114	75-125	0.9	20	
Vanadium	293		10.0	ug/L	250	1.40 U	117	75-125	2	20	

Post Spike (1C21026-PS1) Prepared: 03/21/2011 16:40 Analyzed: 03/23/2011 11:26

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.15		0.0100	mg/L	1.00	-0.00172	115	80-120			
Barium	1.53		0.0100	mg/L	1.00	0.414	111	80-120			
Beryllium	0.584		0.00100	mg/L	0.500	9.81E-5	117	80-120			
Cadmium	0.574		0.00100	mg/L	0.500	-0.000250	115	80-120			
Chromium	1.14		0.0100	mg/L	1.00	0.00329	114	80-120			
Cobalt	1.11		0.0100	mg/L	1.00	0.00287	111	80-120			
Copper	0.580		0.0100	mg/L	0.500	0.00299	115	80-120			
Iron	13.0		0.0500	mg/L	10.0	1.62	113	80-120			
Lead	1.13		0.0100	mg/L	1.00	0.00340	112	80-120			
Manganese	4.16		0.0100	mg/L	0.500	3.70	93	80-120			
Nickel	1.10		0.0100	mg/L	1.00	0.00108	110	80-120			
Selenium	1.17	B	0.0100	mg/L	1.00	-0.000686	117	80-120			
Silver	0.575		0.0100	mg/L	0.500	0.00178	115	80-120			
Tin	1.15		0.0100	mg/L	1.00	0.00724	114	80-120			
Vanadium	0.588		0.0100	mg/L	0.500	0.00119	117	80-120			

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QUALITY CONTROL

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

Batch 1C21026 - EPA 3005A

Batch 1C23036 - EPA 3005A

Blank (1C23036-BLK1) Prepared: 03/24/2011 10:00 Analyzed: 03/25/2011 12:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	3.80	U	10.0	ug/L							

LCS (1C23036-BS1) Prepared: 03/24/2011 10:00 Analyzed: 03/25/2011 12:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	510		10.0	ug/L	500		102	80-120			

Matrix Spike (1C23036-MS1) Prepared: 03/24/2011 10:00 Analyzed: 03/25/2011 12:43

Source: C103155-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	569		10.0	ug/L	500	67.3	100	75-125			

Matrix Spike Dup (1C23036-MSD1) Prepared: 03/24/2011 10:00 Analyzed: 03/25/2011 12:45

Source: C103155-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	570		10.0	ug/L	500	67.3	101	75-125	0.3	20	

Post Spike (1C23036-PS1) Prepared: 03/24/2011 10:00 Analyzed: 03/25/2011 12:47

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	1.55		0.0100	mg/L	1.00	0.611	94	80-120			

Classical Chemistry Parameters - Quality Control

Batch 1C22009 - NO PREP

Blank (1C22009-BLK1) Prepared: 03/22/2011 11:14 Analyzed: 03/22/2011 11:35

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

LCS (1C22009-BS1) Prepared: 03/22/2011 11:14 Analyzed: 03/22/2011 11:35

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

Matrix Spike (1C22009-MS1) Prepared: 03/22/2011 11:14 Analyzed: 03/22/2011 11:35

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.072		0.10	mg/L	0.401	0.010 U	18	80-120			QM-05

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1C22009 - NO PREP

Matrix Spike Dup (1C22009-MSD1) Prepared: 03/22/2011 11:14 Analyzed: 03/22/2011 11:35

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.079		0.10	mg/L	0.401	0.010 U	20	80-120	9	25	QM-05

Batch 1C28008 - Same

Blank (1C28008-BLK1) Prepared: 03/28/2011 10:59 Analyzed: 03/30/2011 08:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	3.9	U	5.0	ug/L							

LCS (1C28008-BS1) Prepared: 03/28/2011 10:59 Analyzed: 03/30/2011 08:07

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		99	90-110			

Matrix Spike (1C28008-MS1) Prepared: 03/29/2011 09:48 Analyzed: 03/30/2011 08:23

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.14		0.0050	mg/L	0.150	0.0039 U	92	90-110			

Matrix Spike Dup (1C28008-MSD1) Prepared: 03/29/2011 09:48 Analyzed: 03/30/2011 08:29

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.14		0.0050	mg/L	0.150	0.0039 U	94	90-110	3	10	

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 1C22013 - EPA 3510C

Blank (1C22013-BLK1) Prepared: 03/23/2011 16:00 Analyzed: 03/25/2011 01:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.14	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.15	U	0.50	ug/L							
2,4-D	0.15	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.13	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*1.7*			*ug/L*	*2.00*		*84*	*68-139*			

LCS (1C22013-BS1) Prepared: 03/23/2011 16:00 Analyzed: 03/25/2011 02:41

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		89	68-154			
2,4-D	2.1		0.50	ug/L	2.00		103	62-144			

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 1C22013 - EPA 3510C

LCS (1C22013-BS1) Continued Prepared: 03/23/2011 16:00 Analyzed: 03/25/2011 02:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2,4-DCAA	*1.8*			*ug/L*	*2.00*		*91*	*68-139*			

Matrix Spike (1C22013-MS1) Prepared: 03/23/2011 16:00 Analyzed: 03/25/2011 03:05

Source: C102361-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.9		0.50	ug/L	2.00	0.15 U	97	68-154			
2,4-D	3.3		0.50	ug/L	2.00	0.15 U	163	62-144			QM-07
Surrogate: 2,4-DCAA	*2.3*			*ug/L*	*2.00*		*115*	*68-139*			

Matrix Spike Dup (1C22013-MSD1) Prepared: 03/23/2011 16:00 Analyzed: 03/25/2011 03:30

Source: C102361-04

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	0.15 U	90	68-154	7	15	
2,4-D	3.0		0.50	ug/L	2.00	0.15 U	149	62-144	9	33	QM-07
Surrogate: 2,4-DCAA	*1.9*			*ug/L*	*2.00*		*97*	*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-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

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Page 1 of 4

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0839-650610.100
Address: 5B Oak Branch Drive	Project Name/Desc: Henderson Co. LF
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info
Tel: (336) 852-4903 Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): N. Rathjen / K. Brewer	Billing Contact: Accounts Payable
Sampler(s) Signature: Natt Rath	Site Location / Time Zone: Henderson Co / Eastern

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

Lab Workorder: C102361

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

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081B Appendix 2,8082A Appendix 2,8151A Appendix 2,8270D Appendix 2	8260B Appendix 1	8260B Appendix 2	8260B Appendix 2,8260B Extended	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Se,Tl,V,Zn	Cyanide Total 335.4	Hg	Hg,Hg/F	Sample Comments
	4501-MW5 (Background)	3/16/11	0925	G	GW	10	X		X			X		X	X		
	4501-MW6	3/16/11	0951		GW	10	X		X			X		X	X		
	4501-MW7	3/16/11	1010		GW	10	X		X			X		X	X		
	4501-MW8 (MS/MSD)	3/16/11	1031		GW	18	X		X			X		X		X	*please hold dissolved sample pending results
	4501-AMW1S	3/16/11	1220		GW	4		X					X		X		
	4501-AMW1D	3/16/11	1226		GW	4		X					X		X		
	4501-AMW2S	3/16/11	1205		GW	4		X					X		X		
	4501-AMW2D	3/16/11	1210		GW	4		X					X		X		
	4501-BR1	3/16/11	1104		SW	4		X					X				
	4501-BR2	3/17/11	1042		SW	4		X					X				
	4501-BR3	3/16/11	1613		SW	4		X					X				
	4501-SW1	3/17/11	1101	↓	SW	4		X					X				
							<-- Total # of Containers										

Sample Kit Prepared By	Date/Time	Relinquished By: Natt Rath	Date/Time: 3/17/11 1200	Received By: Briana Gregory	Date/Time: 3/18/11 10:00
Comments/Special Reporting Requirements: -estimated price - $ 4,560 -please provide a level 2 data report - Unit rates per "Basic ordering Agreement for lab services dated April 1, 2004 and 2008 Unit pricing sheet		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By: C-507 1.8°C C-812 1.2°C	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-204 1.4°C C-435 1.7°C C-809 2.6°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

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

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

Authorized by: Natt Rath Accepted by: Stephanie

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Page 2 of 4

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0839-650610.100
Address: 5B Oak Branch Drive	Project Name/Desc: Henderson Co. LF
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info
Tel: (336) 852-4903 Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): N. Rathjen	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone: Henderson Co/ Eastern

Requested Analyses: Sulfide SM4500-S D

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

Lab Workorder: C102361

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)	3/16/11	0915	G	GW	10	X	
	4501-MW6	3/16/11	0951		GW	10	X	
	4501-MW7	3/16/11	1016		GW	10	X	
	4501-MW8 (MS/MSD)	3/16/11	1031		GW	18	X	
	4501-AMW1S	3/16/11	1220		GW	4		
	4501-AMW1D	3/16/11	1226		GW	4		
	4501-AMW2S	3/16/11	1205		GW	4		
	4501-AMW2D	3/16/11	1210		GW	4		
	4501-BR1	3/16/11	1104		SW	4		
	4501-BR2	3/17/11	1042		SW	4		
	4501-BR3	3/16/11	1613		SW	4		
	4501-SW1	3/17/11	1161		SW	4		
							<-- Total # of Containers	

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	3/17/11	Briana Gregory	3/18/11 10:00
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments/Special Reporting Requirements
- please provide level 2 data report
- unit rates per "basic ordering agreement for lab services" dated April 9, 2008 and the 2009 unit pricing sheet
estimated for $4,560

Cooler #'s & Temps on Receipt: C-812 1.2°C; C-204 1.4°C; C-435 1.7°C; C-809 2.6°C; C-507 1.8°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

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

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

Authorized by: [signature] Accepted by: [signature]

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Page 3 of 4

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0839-650610.100
Address: 5B Oak Branch Drive	Project Name/Desc: Henderson Co. LF
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info
Tel: (336) 852-4903 Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): N. Rattijen	Billing Contact: Accounts Payable
Sampler(s) Signature: Natt Ratt	Site Location / Time Zone: Henderson Co / Eastern

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C102361

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

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081B Appendix 2,8082A Appendix 2,8151A Appendix 2,8270D Appendix 2	8260B Appendix 1	8260B Appendix 2	8260B Appendix 2,8260B Extended	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Se,Tl,V,Zn	Cyanide Total 335.4	Hg	Hg Hg/F	Sample Comments
	4501-Field Blank	3/17/11	1108	G	WA	10	X			X	X			X	X		
	4501-Trip Blank	—	—	—	WA	2				X							

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		Natt Ratt	3/17/11 1200	Buana Gregory	3/18/11 10:00
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments/Special Reporting Requirements
- please provide a level 2 data report
- see page 1

Cooler #'s & Temps on Receipt: C-812 1.2°C; C-204 1.4°C; C-435 1.7°C; C-809 2.6°C; C-507 1.8°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

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

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

Authorized by: Natt Ratt

Accepted by: Stephanie

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Page 4 of 4

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0639-650610.100
Address: 5B Oak Branch Drive	Project Name/Desc: Henderson Co. LF
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info
Tel: (336) 852-4903 Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): N. Kathjen	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone: Henderson Co / Eastern

Requested Analyses: Sulfide SM4500-S D

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

Lab Workorder: C102361

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-Field Blank	3/17/11	1108	G	WA	10	X	
	4501-Trip Blank	—	—	—	WA	2		

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	3/17/11 1200	Briana Gregory	3/18/11 10:00
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments/Special Reporting Requirements
- please provide level 2 data report
- see page 1

Cooler #'s & Temps on Receipt: C-204 1.4°C C-435 1.7°C C-812 1.2°C C-809 2.6°C C-507 1.8°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

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

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

Authorized by: [signature] Accepted by: [signature]

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WORK ORDER

Printed: 3/31/2011 4:51:33PM

C102361

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**Henderson Co. LF**	**Project Number:**	**0839-650610.100**
PO #:			

Report To:

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

Invoice To:

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

Received By:	Briana J Gregory	Date Received:	18-Mar-11 10:00
Logged In By:	Briana J Gregory	Date Logged In:	18-Mar-11 11:06

Work Order Comments:

C-204 received at 1.4°C

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

C-435 received at 1.7°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

C-507 received at 1.8°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-809 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-812 received at 1.2°C

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

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

Thursday, March 31, 2011

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

5B Oak Branch Drive

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 0839650610.400, Project Name/Desc: Henderson County LF
ENCO Workorder: C102363

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, March 18, 2011.

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

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

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

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

Sincerely,

Stephanie Franz
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 14.

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PROJECT NARRATIVE

Date: 31 March 2011
Client: Golder Associates, Inc. (GO007)
Project: Henderson County LF
Lab ID: C102363

Overview

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

Quality Control Samples

No Comments

Quality Control Remarks

No Comments

Other Comments

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

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

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4501-TSW1	Lab ID: C102363-01	Sampled: 03/16/11 15:54	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/30/11	03/24/11 08:21	3/24/2011 20:27

Client ID: 4501-TSW2	Lab ID: C102363-02RE1	Sampled: 03/16/11 16:07	Received: 03/18/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/30/11	03/24/11 08:21	3/25/2011 15:49

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4501-TSW1 **Lab ID:** C102363-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	13	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Toluene	3.6		1	0.85	1.0	1	ug/L	EPA 8260B	

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ANALYTICAL RESULTS

Description: 4501-TSW1 **Lab Sample ID:** C102363-01 **Received:** 03/18/11 10:00

Matrix: Surface Water **Sampled:** 03/16/11 15:54 **Work Order:** C102363

Project: Henderson County LF **Sampled By:** N. Rathjen

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/24/11 20:27	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/24/11 20:27	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/24/11 20:27	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/24/11 20:27	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/24/11 20:27	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/24/11 20:27	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/24/11 20:27	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/24/11 20:27	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/24/11 20:27	jkg	
Acetone [67-64-1] ^	**13**	J	ug/L	1	1.2	5.0	100	EPA 8260B	03/24/11 20:27	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/24/11 20:27	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/24/11 20:27	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/24/11 20:27	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/24/11 20:27	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/24/11 20:27	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/24/11 20:27	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/24/11 20:27	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/24/11 20:27	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	03/24/11 20:27	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/24/11 20:27	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/24/11 20:27	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/24/11 20:27	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
Toluene [108-88-3] ^	**3.6**		ug/L	1	0.85	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/24/11 20:27	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/24/11 20:27	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/24/11 20:27	jkg	

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Description: 4501-TSW1 | **Lab Sample ID:** C102363-01 | **Received:** 03/18/11 10:00

Matrix: Surface Water | **Sampled:** 03/16/11 15:54 | **Work Order:** C102363

Project: Henderson County LF | **Sampled By:** N. Rathjen

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/24/11 20:27	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/24/11 20:27	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/24/11 20:27	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*1C24002*	*EPA 8260B*	*03/24/11 20:27*	*jkg*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*68-117*	*1C24002*	*EPA 8260B*	*03/24/11 20:27*	*jkg*	
Toluene-d8	*53*	*1*	*50.0*	*107 %*	*69-110*	*1C24002*	*EPA 8260B*	*03/24/11 20:27*	*jkg*	

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

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Description: 4501-TSW2 | **Lab Sample ID:** C102363-02 | **Received:** 03/18/11 10:00

Matrix: Surface Water | **Sampled:** 03/16/11 16:07 | **Work Order:** C102363

Project: Henderson County LF | **Sampled By:** N. Rathjen

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/25/11 15:49	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/25/11 15:49	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/25/11 15:49	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/25/11 15:49	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/25/11 15:49	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/25/11 15:49	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/25/11 15:49	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/25/11 15:49	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/25/11 15:49	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	03/25/11 15:49	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/25/11 15:49	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/25/11 15:49	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/25/11 15:49	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/25/11 15:49	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/25/11 15:49	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/25/11 15:49	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/25/11 15:49	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/25/11 15:49	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	03/25/11 15:49	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/25/11 15:49	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/25/11 15:49	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/25/11 15:49	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/25/11 15:49	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/25/11 15:49	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/25/11 15:49	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/25/11 15:49	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/25/11 15:49	jkg	

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

Lab Sample ID: C102363-02
Sampled: 03/16/11 16:07
Sampled By: N. Rathjen

Received: 03/18/11 10:00
Work Order: C102363

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/25/11 15:49	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*103 %*	*51-122*	*1C25005*	*EPA 8260B*	*03/25/11 15:49*	*jkg*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*68-117*	*1C25005*	*EPA 8260B*	*03/25/11 15:49*	*jkg*	
Toluene-d8	*53*	*1*	*50.0*	*106 %*	*69-110*	*1C25005*	*EPA 8260B*	*03/25/11 15:49*	*jkg*	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1C24002 - EPA 5030B_MS

Blank (1C24002-BLK1) Prepared: 03/24/2011 08:21 Analyzed: 03/24/2011 10:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*100*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1C24002 - EPA 5030B_MS

Blank (1C24002-BLK1) Continued Prepared: 03/24/2011 08:21 Analyzed: 03/24/2011 10:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*54*			*ug/L*	*50.0*		*108*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*107*	*69-110*			

LCS (1C24002-BS1) Prepared: 03/24/2011 08:21 Analyzed: 03/24/2011 10:59

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		105	75-133			
Benzene	21		1.0	ug/L	20.0		105	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		94	83-117			
Toluene	18		1.0	ug/L	20.0		92	71-118			
Trichloroethene	21		1.0	ug/L	20.0		105	75-115			

Matrix Spike (1C24002-MS1) Prepared: 03/24/2011 08:21 Analyzed: 03/24/2011 11:28

Source: C102037-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.60 U	108	75-133			
Benzene	21		1.0	ug/L	20.0	0.68 U	103	81-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.74 U	90	83-117			
Toluene	17		1.0	ug/L	20.0	0.85 U	86	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	104	75-115			

Matrix Spike Dup (1C24002-MSD1) Prepared: 03/24/2011 08:21 Analyzed: 03/24/2011 11:58

Source: C102037-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.60 U	121	75-133	11	20	
Benzene	23		1.0	ug/L	20.0	0.68 U	114	81-134	11	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.74 U	96	83-117	6	16	
Toluene	19		1.0	ug/L	20.0	0.85 U	94	71-118	8	17	
Trichloroethene	22		1.0	ug/L	20.0	0.72 U	112	75-115	7	18	

Batch 1C25005 - EPA 5030B_MS

Blank (1C25005-BLK1) Prepared: 03/25/2011 08:06 Analyzed: 03/25/2011 13:22

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1C25005 - EPA 5030B_MS

Blank (1C25005-BLK1) Continued Prepared: 03/25/2011 08:06 Analyzed: 03/25/2011 13:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*103*	*51-122*			
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*105*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*107*	*69-110*			

LCS (1C25005-BS1) Prepared: 03/25/2011 08:06 Analyzed: 03/25/2011 13:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0		122	75-133			
Benzene	23		1.0	ug/L	20.0		113	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		96	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1C25005 - EPA 5030B_MS

LCS (1C25005-BS1) Continued Prepared: 03/25/2011 08:06 Analyzed: 03/25/2011 13:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	22		1.0	ug/L	20.0		109	75-115			

Matrix Spike (1C25005-MS1) Prepared: 03/25/2011 08:06 Analyzed: 03/25/2011 14:21

Source: C103666-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.60 U	113	75-133			
Benzene	21		1.0	ug/L	20.0	0.68 U	105	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.74 U	93	83-117			
Toluene	18		1.0	ug/L	20.0	0.85 U	90	71-118			
Trichloroethene	22		1.0	ug/L	20.0	0.72 U	109	75-115			

Matrix Spike Dup (1C25005-MSD1) Prepared: 03/25/2011 08:06 Analyzed: 03/25/2011 14:50

Source: C103666-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.60 U	114	75-133	0.6	20	
Benzene	21		1.0	ug/L	20.0	0.68 U	107	81-134	1	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.74 U	90	83-117	4	16	
Toluene	18		1.0	ug/L	20.0	0.85 U	90	71-118	0.4	17	
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	106	75-115	2	18	

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

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Page 1 of 1

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0839650610.400
Address: 5B Oak Branch Drive	Project Name/Desc: Henderson County LF
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info
Tel: (336) 852-4903 Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): N. Rathjen	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone: Henderson Co / Eastern

Requested Analyses: 8260B Appendix 1

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C102363

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Sample Comments
	4501-TSW1	3/16/11	1554	G	SW	3	X	
	4501-TSW2	3/16/11	1607	G	SW	3	X	
						<-- Total # of Containers		

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
Briana Gregory	3/8/11	[signature]	3/17/11 1208	Briana Gregory	3/18/11 10:00
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments/Special Reporting Requirements:
- please provide level 2 data report
- estimated fee $200
- unit rates per "basic ordering agreement for lab services" dated April 9, 2004 + 2008 unit pricing sheet

Cooler #'s & Temps on Receipt: C-249 1.9°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

Authorized by: [signature]

Accepted by: [signature]

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WORK ORDER

Printed: 3/31/2011 8:48:41AM

C102363

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**Henderson County LF**	**Project Number:**	**0839650610.400**
PO #:			

Report To:

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

Invoice To:

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

Received By:	Briana J Gregory	Date Received:	18-Mar-11 10:00
Logged In By:	Briana J Gregory	Date Logged In:	18-Mar-11 10:20

Work Order Comments:

C-249 received at 1.9°C

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

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

Project Name: Henderson County MSW Landfill

Project Reference Number: 0839-650610.100

Sampling Event Date: March 15-17, 2011

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

Report #: C102361 & C102363

Person(s) performing the review are to initial each item on this form as acknowledgement of data acceptance, or as acknowledgement of a review issue. In the case of the latter, a brief explanation should follow the applicable item.

Golder Associates Inc. has reviewed the laboratory certificates of analysis, chain-of-custody form, and laboratory provided sample group quality assurance and quality control data for the above referenced sample group to identify potential bias or inaccuracy, in general accordance with the following United States Environmental Protection Agency documents:

- Region III Modifications to Functional Guidelines for Organic Data Review Multi-Media, Multi-Concentration, September 1994;
- Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, April 1993; and
- Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, July 1998.

COMPLIANCE ANALYTE LIST(S) (check all that apply)

___ NC Closed Facility List (.500 Rules)

___ NC C & D List (New Rules)

___ NC Appendix I

_X_ NC Appendix I + Detects

___ NC Appendix II

___ NC Subtitle D Leachate List

Other: Mercury and Sulfide

1.0 CHAIN OF CUSTODY (COC) REVIEW

JD COC was properly signed by all parties.

JD Correct project name and number are on the form.

JD Sample receipt condition at laboratory was acceptable.

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

2.0 SAMPLE HOLDING TIMES

JD Holding times for extraction and/or analysis were met for each analytical Method (see below for reference).

Review Criteria		
Method	**Analytes**	**Holding Time**
SW-846 Method 8260 and 8011	VOCs	14 days
SW-846 Methods 8270, 8080, 8081, 8082, and 8151	SVOCs, PCBs, pesticides and herbicides	7 days for extraction, 40 days from extraction for analysis
SW-846 Methods 6000 and 7000 Series	Metals except mercury	6 months (no temperature requirements)
SW-846 Method 7470	Mercury	28 days
SW-846 Method 376.1	Sulfide	7 days
SW-846 Method 9010	Cyanide	14 days
EPA Method 300	Nitrate/Sulfate	48 hours/28 days
EPA Method 405.1	BOD	48 hours
EPA Method 410.4	COD	28 days
EPA Method 365.4	Phosphorous	28 days

3.0 LABORATORY QUALITY CONTROL REVIEW

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

JD Laboratory blank is interference-free.

- ***Selenium detected at an estimated concentration of 3.32 ug/L (J)***

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

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

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

JD MS/MSD/LCS recoveries for each method are within the acceptable limits (i.e., at least 1 of the 3 were within range).

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

4.0 ANALYTE LISTS/METHODS

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

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

5.0 DATA REPORTING

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

JD Trip, field and/or equipment, and laboratory blank results have all been reported. All detects for blanks are listed below by constituent. All laboratory method blanks, if any, have been 'flagged' with a 'B' where detected in other samples as appropriate and a laboratory narrative was provided. If the sample was flagged by the laboratory and is not within 5X of the concentration in the blank (or 10X for commonly detected laboratory contaminants-acetone, methylene chloride and phthalates), list below with explanation if flags should be removed. If flags need to be added for samples, also list below.

Field Blank:
Manganese @ 3.57 ug/L (J) ***No B-flags needed.***

Method Blank:
Selenium @ 3.32 µg/L (J) ***B-flags needed for AMW-1S and SW-1***

JD It is clear from the laboratory report that samples have or have not been diluted during analysis, and if the samples have been diluted, the result is reported as a multiple of the dilution (e.g., a sample diluted 10x resulting in an analytical detection of 1.0 should be reported as 10). Those that have been diluted are listed below with the dilution factor.

JD The report provides the reporting limit for each constituent.

JD The results were reported at or below their proper reporting limits (i.e., MDLs with SWSLs reported). Those that are not reported correctly are listed below (by constituent) with the proper reporting limit listed beside them. State if the reporting limit error is due to dilutions.

JD No organic constituents were reported above their respective SWSLs, and no inorganic or organic constituents were reported above their respective NC 2L Drinking Water Standards/GWPS in wells, or field/equipment/trip blanks, or above applicable surface water standards in surface water points.

Organic SWSL Exceedances:

MW-7:	***1,4-Dichlorobenzene @ 10 ug/L (SWSL = 1 ug/L)***
	Benzene @ 1.6 ug/L (SWSL = 1 ug/L)
	Chlorobenzene @ 7.3 ug/L (SWSL = 3 ug/L)
	Cis-1,2-Dichloroethene @ 6.4 ug/L (SWSL = 5 ug/L)
	Vinyl chloride @ 1.3 ug/L (SWSL = 1 ug/L)
AMW-1D:	***1,4-Dichlorobenzene @ 3.2 ug/L (SWSL = 1 ug/L)***
	Benzene @ 1.2 ug/L (SWSL = 1 ug/L)
	Chlorobenzene @ 4.5 ug/L (SWSL = 3 ug/L)
AMW-2S:	***1,4-Dichlorobenzene @ 1.3 ug/L (SWSL = 1 ug/L)***
BR-2:	***1,4-Dichlorobenzene @ 2.8 ug/L (SWSL = 1 ug/L)***
TSW-1:	***Toluene @ 3.6 ug/L (SWSL = 1 ug/L)***

NC2L and/or GWPS Exceedances:

MW-5:	***Vanadium @ 4.98 ug/L (J) (GWPS = 0.3 ug/L)***
MW-6:	***Vanadium @ 2.77 ug/L (J) (GWPS = 0.3 ug/L)***
MW-7:	***1,4-Dichlorobenzene @ 10 ug/L (NC2L = 6 ug/L)***
	Benzene @ 1.6 ug/L (NC2L = 1 ug/L)
	Thallium @ 0.516 ug/L (J) (GWPS = 0.2 ug/L)
	Vinyl Chloride @ 1.3 ug/L (NC2L = 0.03 ug/L)
MW-8:	***Cobalt @ 2.87 ug/L (J) (GWPS = 1 ug/L)***
	Thallium @ 1.12 ug/L (J) (NC2L = 0.2 ug/L)
AMW-1S:	***Cobalt @ 8.51 ug/L (J) (GWPS =1 ug/L)***
	Thallium @ 0.274 ug/L (J) (GWPS = 0.2 ug/L)
AMW-1D:	***Benzene @ 1.2 ug/L (NC2L = 1 ug/L)***
	Thallium @ 0.491 ug/L (J) (GWPS = 0.2 ug/L)
AMW-2S:	***Lead @ 25.6 ug/L (NC2L = 15 ug/L)***
	Thallium @ 0.514 ug/L (J) (GWPS = 0.2 ug/L)
	Vanadium @ 15.3 ug/L (J) (GWPS = 0.3 ug/L)
BR-1:	***Cobalt @ 1.94 ug/L (J) (GWPS = 1 ug/L)***
	Thallium @ 0.465 ug/L (J) (GWPS = 0.2 ug/L)
	Vanadium @ 4.70 ug/L (J) (GWPS = 0.3 ug/L)

	Copper @ 9.17 ug/L (J) (SW Standard = 7 ug/L)
BR-2:	***Cobalt @ 5.87 ug/L (J) (GWPS = 1 ug/L)***
	Silver @ 2.81 ug/L (J) (SW Standard = 0.06 ug/L)
	Thallium @ 0.415 ug/L (J) (GWPS = 0.2 ug/L)
BR-3:	***Cobalt @ 1.82 ug/L (J) (GWPS = 1 ug/L)***
	Thallium @ 0.192 (J) (GWPS = 0.2 ug/L)
	Zinc @ 53.8 ug/L (SW Standard = 50 ug/L)
SW-1:	***Cobalt @ 1.85 ug/L (J) (GWPS = 1 ug/L)***
	Thallium @ 0.675 ug/L (J) (GWPS = 0.2 ug/L)

Surface Water Exceedances:

BR-1:	***Copper @ 9.17 ug/L (J) (SW Standard = 7 ug/L)***
BR-2:	***Silver @ 2.81 ug/L (J) (SW Standard = 0.06 ug/L)***
BR-3:	***Zinc @ 53.8 ug/L (SW Standard = 50 ug/L)***
SW-1:	***Cobalt @ 1.85 ug/L (J) (GWPS = 1 ug/L)***

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

MW-8:	***Highest historical detection for zinc (611 ug/L)***
AMW-1D:	***First time quantified detection for zinc (17.5 ug/L)***
AMW-1S:	***First time quantified detection for lead (25.6 ug/L)***
	Highest historical detection for zinc (44.8 ug/L)

****First time analysis for TSW-1 and TSW-2***

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

- ***The continuing calibration verification sample exhibited a high bias for Butylbenzylphthalate, Di-n-octylphthalate, and Methapyrilene; however, these analytes were not detected in the associated samples.***

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

Thursday, March 31, 2011

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

5B Oak Branch Drive

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 0839-650610.100, Project Name/Desc: Henderson Co. LF C&D
ENCO Workorder: C102362

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, March 18, 2011.

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

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

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

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

Sincerely,

Stephanie Franz
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 35.

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PROJECT NARRATIVE

Date: 31 March 2011
Client: Golder Associates, Inc. (GO007)
Project: Henderson Co. LF C&D
Lab ID: C102362

Overview

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

Quality Control Samples

The spike recoveries of Alkalinity and Sulfate are outside of control limits for the MS and MSD samples. The QC batches are approved based on acceptable LCS recovery of these analytes.

Quality Control Remarks

No Comments

Other Comments

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

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

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4501-MW10 **Lab ID: C102362-01** **Sampled: 03/17/11 09:37** **Received: 03/18/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	04/14/11	03/28/11 10:25	3/29/2011 03:40
EPA 310.2	03/31/11	03/28/11 01:39	3/28/2011 02:45
EPA 6010C	09/13/11	03/21/11 10:36	3/23/2011 10:26
EPA 6010C	09/13/11	03/23/11 14:38	3/24/2011 12:48
EPA 6020A	09/13/11	03/22/11 14:59	3/25/2011 13:05
EPA 7470A	04/14/11	03/23/11 10:21	3/23/2011 16:15
EPA 8260B	03/31/11	03/26/11 11:08	3/26/2011 18:07
SM 2540C	03/24/11	03/23/11 15:11	3/23/2011 15:11

Client ID: 4501-MW11 (MS/MSD) **Lab ID: C102362-02** **Sampled: 03/17/11 10:21** **Received: 03/18/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	04/14/11	03/28/11 10:25	3/29/2011 03:05
EPA 310.2	03/31/11	03/28/11 01:39	3/28/2011 02:46
EPA 6010C	09/13/11	03/21/11 10:36	3/23/2011 10:15
EPA 6010C	09/13/11	03/23/11 14:38	3/24/2011 12:32
EPA 6020A	09/13/11	03/22/11 14:59	3/25/2011 12:39
EPA 7470A	04/14/11	03/23/11 10:21	3/23/2011 16:00
EPA 8260B	03/31/11	03/26/11 11:08	3/26/2011 15:11
SM 2540C	03/24/11	03/23/11 15:11	3/23/2011 15:11

Client ID: 4501-MW12 **Lab ID: C102362-03** **Sampled: 03/17/11 10:07** **Received: 03/18/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	04/14/11	03/28/11 10:25	3/29/2011 03:57
EPA 310.2	03/31/11	03/28/11 01:39	3/28/2011 02:49
EPA 6010C	09/13/11	03/21/11 10:36	3/23/2011 10:27
EPA 6010C	09/13/11	03/23/11 14:38	3/24/2011 12:50
EPA 6020A	09/13/11	03/22/11 14:59	3/25/2011 13:09
EPA 7470A	04/14/11	03/23/11 10:21	3/23/2011 16:18
EPA 8260B	03/31/11	03/26/11 11:08	3/26/2011 18:36
SM 2540C	03/24/11	03/23/11 15:11	3/23/2011 15:11

Client ID: 4501-MW13 **Lab ID: C102362-04** **Sampled: 03/17/11 09:54** **Received: 03/18/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	04/14/11	03/28/11 10:25	3/29/2011 04:14
EPA 310.2	03/31/11	03/28/11 01:39	3/28/2011 02:50
EPA 6010C	09/13/11	03/21/11 10:36	3/23/2011 10:30
EPA 6010C	09/13/11	03/23/11 14:38	3/24/2011 12:52
EPA 6020A	09/13/11	03/22/11 14:59	3/25/2011 13:13
EPA 7470A	04/14/11	03/23/11 10:21	3/23/2011 16:21
EPA 8260B	03/31/11	03/26/11 11:08	3/26/2011 19:05
SM 2540C	03/24/11	03/23/11 15:11	3/23/2011 15:11

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4501-MW10 **Lab ID: C102362-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	59.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.753	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chloride	3000	J	1	47	5000	NE	ug/L	EPA 300.0	
Chromium - Total	5.18	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	3.28	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	15.9		1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	14200		1	22.0	50.0	300	ug/L	EPA 6010C	
Lead - Total	12.8		1	1.90	10.0	10	ug/L	EPA 6010C	
Manganese - Total	356		1	1.10	10.0	50	ug/L	EPA 6010C	
Nickel - Total	3.91	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Sulfate as SO4	1900	J	1	20	5000	250000	ug/L	EPA 300.0	
Total Dissolved Solids	46000		1	10000	10000	NE	ug/L	SM 2540C	
Vanadium - Total	19.5	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	43.2		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW11 (MS/MSD) **Lab ID: C102362-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
2-Butanone	1.6	J	1	1.3	5.0	100	ug/L	EPA 8260B	
Acetone	92	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	32.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.941	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chloride	3900	J	1	47	5000	NE	ug/L	EPA 300.0	
Cobalt - Total	2.05	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.55	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	1770		1	22.0	50.0	300	ug/L	EPA 6010C	
Lead - Total	2.55	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Manganese - Total	349		1	1.10	10.0	50	ug/L	EPA 6010C	
Sulfate as SO4	12000	J	1	20	5000	250000	ug/L	EPA 300.0	
Total Alkalinity as CaCO3	35000		1	12000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	88000		1	10000	10000	NE	ug/L	SM 2540C	
Vanadium - Total	1.76	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	4.05	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW12 **Lab ID: C102362-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.40	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,1-Dichloroethene	3.3	J	1	0.60	1.0	5	ug/L	EPA 8260B	
Acetone	17	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Antimony - Total	0.248	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	18.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.117	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chloride	8600		1	47	5000	NE	ug/L	EPA 300.0	
cis-1,2-Dichloroethene	0.76	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Copper - Total	3.09	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	1600		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	389		1	1.10	10.0	50	ug/L	EPA 6010C	
Methylene chloride	1.6		1	0.14	1.0	1	ug/L	EPA 8260B	
Sulfate as SO4	7300	J	1	20	5000	250000	ug/L	EPA 300.0	
Tetrachloroethene	1.4		1	0.73	1.0	1	ug/L	EPA 8260B	

Client ID: 4501-MW12 **Lab ID: C102362-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Tetrahydrofuran	74		1	0.80	1.0	NE	ug/L	EPA 8260B	
Total Alkalinity as CaCO3	94000		1	12000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	160000		1	10000	10000	NE	ug/L	SM 2540C	
Trichlorofluoromethane	1.4		1	0.66	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	3.03	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	12.5		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW13 **Lab ID: C102362-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.360	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	12.6	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chloride	4800	J	1	47	5000	NE	ug/L	EPA 300.0	
cis-1,2-Dichloroethene	1.3	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Copper - Total	4.85	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	462		1	22.0	50.0	300	ug/L	EPA 6010C	
Lead - Total	2.29	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Manganese - Total	116		1	1.10	10.0	50	ug/L	EPA 6010C	
Methylene chloride	0.52	J	1	0.14	1.0	1	ug/L	EPA 8260B	
Sulfate as SO4	3900	J	1	20	5000	250000	ug/L	EPA 300.0	
Tetrahydrofuran	7.6		1	0.80	1.0	NE	ug/L	EPA 8260B	
Total Alkalinity as CaCO3	96000		1	12000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	120000		1	10000	10000	NE	ug/L	SM 2540C	
Trichlorofluoromethane	2.5		1	0.66	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	0.64	J	1	0.60	1.0	1	ug/L	EPA 8260B	
Zinc - Total	26.0		1	3.80	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 4501-MW10 **Lab Sample ID:** C102362-01 **Received:** 03/18/11 10:00
Matrix: Ground Water **Sampled:** 03/17/11 09:37 **Work Order:** C102362
Project: Henderson Co. LF C&D **Sampled By:** N. Rathjen

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/26/11 18:07	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/26/11 18:07	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/26/11 18:07	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/26/11 18:07	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/11 18:07	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/11 18:07	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/26/11 18:07	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/26/11 18:07	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/11 18:07	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	03/26/11 18:07	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/26/11 18:07	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/26/11 18:07	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/26/11 18:07	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/26/11 18:07	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/11 18:07	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/26/11 18:07	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/26/11 18:07	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/26/11 18:07	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	03/26/11 18:07	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/26/11 18:07	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/26/11 18:07	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/26/11 18:07	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	03/26/11 18:07	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/26/11 18:07	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/26/11 18:07	jkg	

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Description: 4501-MW10 | **Lab Sample ID:** C102362-01 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/17/11 09:37 | **Work Order:** C102362

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

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/26/11 18:07	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/26/11 18:07	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/26/11 18:07	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*51-122*	*1C26002*	*EPA 8260B*	*03/26/11 18:07*	*jkg*	
Dibromofluoromethane	*53*	*1*	*50.0*	*107 %*	*68-117*	*1C26002*	*EPA 8260B*	*03/26/11 18:07*	*jkg*	
Toluene-d8	*53*	*1*	*50.0*	*107 %*	*69-110*	*1C26002*	*EPA 8260B*	*03/26/11 18:07*	*jkg*	

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Description: 4501-MW10 | **Lab Sample ID:** C102362-01 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/17/11 09:37 | **Work Order:** C102362

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

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 16:15	NLH	

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Description: 4501-MW10 | **Lab Sample ID:** C102362-01 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/17/11 09:37 | **Work Order:** C102362

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

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	03/25/11 13:05	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 10:26	JDH	
Barium [7440-39-3] ^	**59.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 10:26	JDH	
Beryllium [7440-41-7] ^	**0.753**	J	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 10:26	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 10:26	JDH	
Chromium [7440-47-3] ^	**5.18**	J	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 10:26	JDH	
Cobalt [7440-48-4] ^	**3.28**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 10:26	JDH	
Copper [7440-50-8] ^	**15.9**		ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 10:26	JDH	
Iron [7439-89-6] ^	**14200**		ug/L	1	22.0	50.0	300	EPA 6010C	03/23/11 10:26	JDH	
Lead [7439-92-1] ^	**12.8**		ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 10:26	JDH	
Manganese [7439-96-5] ^	**356**		ug/L	1	1.10	10.0	50	EPA 6010C	03/23/11 10:26	JDH	
Nickel [7440-02-0] ^	**3.91**	J	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 10:26	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 10:26	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 10:26	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/25/11 13:05	VLO	
Vanadium [7440-62-2] ^	**19.5**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 10:26	JDH	
Zinc [7440-66-6] ^	**43.2**		ug/L	1	3.80	10.0	10	EPA 6010C	03/24/11 12:48	JDH	

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Description: 4501-MW10 | **Lab Sample ID:** C102362-01 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/17/11 09:37 | **Work Order:** C102362

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

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**3000**	J	ug/L	1	47	5000	NE	EPA 300.0	03/29/11 03:40	AJB	
Sulfate as SO4 [14808-79-8] ^	**1900**	J	ug/L	1	20	5000	250000	EPA 300.0	03/29/11 03:40	AJB	
Total Alkalinity as CaCO3 [471-34-1] ^	12000	U	ug/L	1	12000	15000	NE	EPA 310.2	03/28/11 02:45	CCB	
Total Dissolved Solids [ECL-0156] ^	**46000**		ug/L	1	10000	10000	NE	SM 2540C	03/23/11 15:11	KER	

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

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Description: 4501-MW11 (MS/MSD) **Lab Sample ID:** C102362-02 **Received:** 03/18/11 10:00
Matrix: Ground Water **Sampled:** 03/17/11 10:21 **Work Order:** C102362
Project: Henderson Co. LF C&D **Sampled By:** N. Rathjen

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/26/11 15:11	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/26/11 15:11	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/26/11 15:11	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/26/11 15:11	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/11 15:11	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/11 15:11	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
2-Butanone [78-93-3] ^	**1.6**	J	ug/L	1	1.3	5.0	100	EPA 8260B	03/26/11 15:11	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/26/11 15:11	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/11 15:11	jkg	
Acetone [67-64-1] ^	**92**	J	ug/L	1	1.2	5.0	100	EPA 8260B	03/26/11 15:11	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/26/11 15:11	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/26/11 15:11	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/26/11 15:11	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/26/11 15:11	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/11 15:11	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/26/11 15:11	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/26/11 15:11	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/26/11 15:11	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	03/26/11 15:11	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/26/11 15:11	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/26/11 15:11	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/26/11 15:11	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	03/26/11 15:11	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/26/11 15:11	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/26/11 15:11	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/26/11 15:11	jkg	

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Description: 4501-MW11 (MS/MSD) | **Lab Sample ID:** C102362-02 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/17/11 10:21 | **Work Order:** C102362

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

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/26/11 15:11	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/26/11 15:11	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*1C26002*	*EPA 8260B*	*03/26/11 15:11*	*jkg*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*68-117*	*1C26002*	*EPA 8260B*	*03/26/11 15:11*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*108 %*	*69-110*	*1C26002*	*EPA 8260B*	*03/26/11 15:11*	*jkg*	

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Description:	4501-MW11 (MS/MSD)	**Lab Sample ID:**	C102362-02	**Received:**	03/18/11 10:00
Matrix:	Ground Water	**Sampled:**	03/17/11 10:21	**Work Order:**	C102362
Project:	Henderson Co. LF C&D	**Sampled By:**	N. Rathjen		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 16:00	NLH	

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Description: 4501-MW11 (MS/MSD) **Lab Sample ID:** C102362-02 **Received:** 03/18/11 10:00

Matrix: Ground Water **Sampled:** 03/17/11 10:21 **Work Order:** C102362

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

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	03/25/11 12:39	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 10:15	JDH	
Barium [7440-39-3] ^	**32.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 10:15	JDH	
Beryllium [7440-41-7] ^	**0.941**	J	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 10:15	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 10:15	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 10:15	JDH	
Cobalt [7440-48-4] ^	**2.05**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 10:15	JDH	
Copper [7440-50-8] ^	**2.55**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 10:15	JDH	
Iron [7439-89-6] ^	**1770**		ug/L	1	22.0	50.0	300	EPA 6010C	03/23/11 10:15	JDH	
Lead [7439-92-1] ^	**2.55**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 10:15	JDH	
Manganese [7439-96-5] ^	**349**		ug/L	1	1.10	10.0	50	EPA 6010C	03/23/11 10:15	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 10:15	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 10:15	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 10:15	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/25/11 12:39	VLO	
Vanadium [7440-62-2] ^	**1.76**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 10:15	JDH	
Zinc [7440-66-6] ^	**4.05**	J	ug/L	1	3.80	10.0	10	EPA 6010C	03/24/11 12:32	JDH	

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Description: 4501-MW11 (MS/MSD) | **Lab Sample ID:** C102362-02 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/17/11 10:21 | **Work Order:** C102362

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

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**3900**	J	ug/L	1	47	5000	NE	EPA 300.0	03/29/11 03:05	AJB	
Sulfate as SO4 [14808-79-8] ^	**12000**	J	ug/L	1	20	5000	250000	EPA 300.0	03/29/11 03:05	AJB	
Total Alkalinity as CaCO3 [471-34-1] ^	**35000**		ug/L	1	12000	15000	NE	EPA 310.2	03/28/11 02:46	CCB	
Total Dissolved Solids [ECL-0156] ^	**88000**		ug/L	1	10000	10000	NE	SM 2540C	03/23/11 15:11	KER	

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

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Description: 4501-MW12 | **Lab Sample ID:** C102362-03 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/17/11 10:07 | **Work Order:** C102362

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

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/26/11 18:36	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/26/11 18:36	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
1,1-Dichloroethane [75-34-3] ^	**0.40**	J	ug/L	1	0.080	1.0	5	EPA 8260B	03/26/11 18:36	jkg	
1,1-Dichloroethene [75-35-4] ^	**3.3**	J	ug/L	1	0.60	1.0	5	EPA 8260B	03/26/11 18:36	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/11 18:36	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/11 18:36	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/26/11 18:36	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/26/11 18:36	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/11 18:36	jkg	
Acetone [67-64-1] ^	**17**	J	ug/L	1	1.2	5.0	100	EPA 8260B	03/26/11 18:36	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/26/11 18:36	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/26/11 18:36	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/26/11 18:36	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/26/11 18:36	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/11 18:36	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/26/11 18:36	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/26/11 18:36	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/26/11 18:36	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**0.76**	J	ug/L	1	0.72	1.0	5	EPA 8260B	03/26/11 18:36	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/26/11 18:36	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/26/11 18:36	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/26/11 18:36	jkg	
Methylene chloride [75-09-2] ^	**1.6**		ug/L	1	0.14	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
Tetrachloroethene [127-18-4] ^	**1.4**		ug/L	1	0.73	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
Tetrahydrofuran [109-99-9] ^	**74**		ug/L	1	0.80	1.0	NE	EPA 8260B	03/26/11 18:36	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/26/11 18:36	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/26/11 18:36	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
Trichlorofluoromethane [75-69-4] ^	**1.4**		ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/26/11 18:36	jkg	

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

Lab Sample ID: C102362-03
Sampled: 03/17/11 10:07
Sampled By: N. Rathjen

Received: 03/18/11 10:00
Work Order: C102362

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
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	03/26/11 18:36	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/26/11 18:36	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*105 %*	*51-122*	*1C26002*	*EPA 8260B*	*03/26/11 18:36*	*jkg*	
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*68-117*	*1C26002*	*EPA 8260B*	*03/26/11 18:36*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*109 %*	*69-110*	*1C26002*	*EPA 8260B*	*03/26/11 18:36*	*jkg*	

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Description: 4501-MW12 | **Lab Sample ID:** C102362-03 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/17/11 10:07 | **Work Order:** C102362

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

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 16:18	NLH	

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Description: 4501-MW12 | **Lab Sample ID:** C102362-03 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/17/11 10:07 | **Work Order:** C102362

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

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.248**	J	ug/L	1	0.220	2.00	6	EPA 6020A	03/25/11 13:09	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 10:27	JDH	
Barium [7440-39-3] ^	**18.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 10:27	JDH	
Beryllium [7440-41-7] ^	**0.117**	J	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 10:27	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 10:27	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 10:27	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 10:27	JDH	
Copper [7440-50-8] ^	**3.09**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 10:27	JDH	
Iron [7439-89-6] ^	**1600**		ug/L	1	22.0	50.0	300	EPA 6010C	03/23/11 10:27	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 10:27	JDH	
Manganese [7439-96-5] ^	**389**		ug/L	1	1.10	10.0	50	EPA 6010C	03/23/11 10:27	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 10:27	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 10:27	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 10:27	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/25/11 13:09	VLO	
Vanadium [7440-62-2] ^	**3.03**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 10:27	JDH	
Zinc [7440-66-6] ^	**12.5**		ug/L	1	3.80	10.0	10	EPA 6010C	03/24/11 12:50	JDH	

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

Lab Sample ID: C102362-03
Sampled: 03/17/11 10:07
Sampled By: N. Rathjen

Received: 03/18/11 10:00
Work Order: C102362

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] ^	**8600**		ug/L	1	47	5000	NE	EPA 300.0	03/29/11 03:57	AJB	
Sulfate as SO4 [14808-79-8] ^	**7300**	J	ug/L	1	20	5000	250000	EPA 300.0	03/29/11 03:57	AJB	
Total Alkalinity as CaCO3 [471-34-1] ^	**94000**		ug/L	1	12000	15000	NE	EPA 310.2	03/28/11 02:49	CCB	
Total Dissolved Solids [ECL-0156] ^	**160000**		ug/L	1	10000	10000	NE	SM 2540C	03/23/11 15:11	KER	

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

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Description: 4501-MW13 | **Lab Sample ID:** C102362-04 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/17/11 09:54 | **Work Order:** C102362

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

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	03/26/11 19:05	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	03/26/11 19:05	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	03/26/11 19:05	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	03/26/11 19:05	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/11 19:05	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/11 19:05	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	03/26/11 19:05	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	03/26/11 19:05	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/11 19:05	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	03/26/11 19:05	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	03/26/11 19:05	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	03/26/11 19:05	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	03/26/11 19:05	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	03/26/11 19:05	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/11 19:05	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	03/26/11 19:05	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	03/26/11 19:05	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	03/26/11 19:05	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**1.3**	J	ug/L	1	0.72	1.0	5	EPA 8260B	03/26/11 19:05	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	03/26/11 19:05	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	03/26/11 19:05	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	03/26/11 19:05	jkg	
Methylene chloride [75-09-2] ^	**0.52**	J	ug/L	1	0.14	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
Tetrahydrofuran [109-99-9] ^	**7.6**		ug/L	1	0.80	1.0	NE	EPA 8260B	03/26/11 19:05	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	03/26/11 19:05	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	03/26/11 19:05	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
Trichlorofluoromethane [75-69-4] ^	**2.5**		ug/L	1	0.66	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	03/26/11 19:05	jkg	

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

Lab Sample ID: C102362-04
Sampled: 03/17/11 09:54
Sampled By: N. Rathjen

Received: 03/18/11 10:00
Work Order: C102362

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
Vinyl chloride [75-01-4] ^	**0.64**	J	ug/L	1	0.60	1.0	1	EPA 8260B	03/26/11 19:05	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	03/26/11 19:05	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*101 %*	*51-122*	*1C26002*	*EPA 8260B*	*03/26/11 19:05*	*jkg*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*68-117*	*1C26002*	*EPA 8260B*	*03/26/11 19:05*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*109 %*	*69-110*	*1C26002*	*EPA 8260B*	*03/26/11 19:05*	*jkg*	

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

Lab Sample ID: C102362-04
Sampled: 03/17/11 09:54
Sampled By: N. Rathjen

Received: 03/18/11 10:00
Work Order: C102362

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	03/23/11 16:21	NLH	

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Description: 4501-MW13 | **Lab Sample ID:** C102362-04 | **Received:** 03/18/11 10:00

Matrix: Ground Water | **Sampled:** 03/17/11 09:54 | **Work Order:** C102362

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

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.360**	J	ug/L	1	0.220	2.00	6	EPA 6020A	03/25/11 13:13	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/23/11 10:30	JDH	
Barium [7440-39-3] ^	**12.6**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/23/11 10:30	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/23/11 10:30	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/23/11 10:30	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/23/11 10:30	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/23/11 10:30	JDH	
Copper [7440-50-8] ^	**4.85**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/23/11 10:30	JDH	
Iron [7439-89-6] ^	**462**		ug/L	1	22.0	50.0	300	EPA 6010C	03/23/11 10:30	JDH	
Lead [7439-92-1] ^	**2.29**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 10:30	JDH	
Manganese [7439-96-5] ^	**116**		ug/L	1	1.10	10.0	50	EPA 6010C	03/23/11 10:30	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/23/11 10:30	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/23/11 10:30	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/23/11 10:30	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/25/11 13:13	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/23/11 10:30	JDH	
Zinc [7440-66-6] ^	**26.0**		ug/L	1	3.80	10.0	10	EPA 6010C	03/24/11 12:52	JDH	

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

Lab Sample ID: C102362-04
Sampled: 03/17/11 09:54
Sampled By: N. Rathjen

Received: 03/18/11 10:00
Work Order: C102362

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**4800**	J	ug/L	1	47	5000	NE	EPA 300.0	03/29/11 04:14	AJB	
Sulfate as SO4 [14808-79-8] ^	**3900**	J	ug/L	1	20	5000	250000	EPA 300.0	03/29/11 04:14	AJB	
Total Alkalinity as CaCO3 [471-34-1] ^	**96000**		ug/L	1	12000	15000	NE	EPA 310.2	03/28/11 02:50	CCB	
Total Dissolved Solids [ECL-0156] ^	**120000**		ug/L	1	10000	10000	NE	SM 2540C	03/23/11 15:11	KER	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1C26002 - EPA 5030B_MS

Blank (1C26002-BLK1) Prepared: 03/26/2011 11:08 Analyzed: 03/26/2011 12:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1C26002 - EPA 5030B_MS

Blank (1C26002-BLK1) Continued Prepared: 03/26/2011 11:08 Analyzed: 03/26/2011 12:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*100*	*51-122*			
Surrogate: Dibromofluoromethane	*53*			*ug/L*	*50.0*		*106*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*106*	*69-110*			

LCS (1C26002-BS1) Prepared: 03/26/2011 11:08 Analyzed: 03/26/2011 13:14

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		113	75-133			
Benzene	22		1.0	ug/L	20.0		109	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		99	83-117			
Toluene	20		1.0	ug/L	20.0		98	71-118			
Trichloroethene	22		1.0	ug/L	20.0		109	75-115			

Matrix Spike (1C26002-MS1) Prepared: 03/26/2011 11:08 Analyzed: 03/26/2011 13:43

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.60 U	115	75-133			
Benzene	21		1.0	ug/L	20.0	0.68 U	106	81-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.74 U	91	83-117			
Toluene	18		1.0	ug/L	20.0	0.85 U	90	71-118			
Trichloroethene	22		1.0	ug/L	20.0	0.72 U	111	75-115			

Matrix Spike Dup (1C26002-MSD1) Prepared: 03/26/2011 11:08 Analyzed: 03/26/2011 14:13

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.60 U	111	75-133	3	20	
Benzene	21		1.0	ug/L	20.0	0.68 U	104	81-134	1	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.74 U	89	83-117	3	16	
Toluene	18		1.0	ug/L	20.0	0.85 U	89	71-118	2	17	
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	105	75-115	5	18	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1C23017 - EPA 245.1

Blank (1C23017-BLK1) Prepared: 03/23/2011 10:21 Analyzed: 03/23/2011 15:54

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

LCS (1C23017-BS1) Prepared: 03/23/2011 10:21 Analyzed: 03/23/2011 15:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.81		0.200	ug/L	5.00		96	85-115			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1C23017 - EPA 245.1

Matrix Spike (1C23017-MS1) Prepared: 03/23/2011 10:21 Analyzed: 03/23/2011 16:03

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.59		0.200	ug/L	5.00	0.170 U	92	85-115			

Matrix Spike Dup (1C23017-MSD1) Prepared: 03/23/2011 10:21 Analyzed: 03/23/2011 16:06

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.76		0.200	ug/L	5.00	0.170 U	95	85-115	4	15	

Post Spike (1C23017-PS1) Prepared: 03/23/2011 10:21 Analyzed: 03/23/2011 16:09

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.02		0.200	ug/L	5.00	0.0587	79	75-125			

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

Batch 1C21017 - EPA 3005A

Blank (1C21017-BLK1) Prepared: 03/21/2011 10:36 Analyzed: 03/23/2011 10:10

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

LCS (1C21017-BS1) Prepared: 03/21/2011 10:36 Analyzed: 03/23/2011 10:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	568		10.0	ug/L	500		114	80-120			
Barium	577		10.0	ug/L	500		115	80-120			
Beryllium	292		1.00	ug/L	250		117	80-120			
Cadmium	295		1.00	ug/L	250		118	80-120			
Chromium	583		10.0	ug/L	500		117	80-120			
Cobalt	571		10.0	ug/L	500		114	80-120			
Copper	292		10.0	ug/L	250		117	80-120			
Iron	5810		50.0	ug/L	5000		116	80-120			

QUALITY CONTROL

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

Batch 1C21017 - EPA 3005A

LCS (1C21017-BS1) Continued Prepared: 03/21/2011 10:36 Analyzed: 03/23/2011 10:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	575		10.0	ug/L	500		115	80-120			
Manganese	288		10.0	ug/L	250		115	80-120			
Nickel	575		10.0	ug/L	500		115	80-120			
Selenium	579		10.0	ug/L	500		116	80-120			
Silver	299		10.0	ug/L	250		120	80-120			
Vanadium	294		10.0	ug/L	250		118	80-120			

Matrix Spike (1C21017-MS1) Prepared: 03/21/2011 10:36 Analyzed: 03/23/2011 10:18

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	577		10.0	ug/L	500	2.80 U	115	75-125			
Barium	610		10.0	ug/L	500	32.5	115	75-125			
Beryllium	298		1.00	ug/L	250	0.941	119	75-125			
Cadmium	293		1.00	ug/L	250	0.360 U	117	75-125			
Chromium	575		10.0	ug/L	500	1.00 U	115	75-125			
Cobalt	598		10.0	ug/L	500	2.05	119	75-125			
Copper	290		10.0	ug/L	250	2.55	115	75-125			
Iron	7570		50.0	ug/L	5000	1770	116	75-125			
Lead	584		10.0	ug/L	500	2.55	116	75-125			
Manganese	632		10.0	ug/L	250	349	113	75-125			
Nickel	573		10.0	ug/L	500	1.80 U	115	75-125			
Selenium	589		10.0	ug/L	500	2.70 U	118	75-125			
Silver	290		10.0	ug/L	250	1.90 U	116	75-125			
Vanadium	293		10.0	ug/L	250	1.76	116	75-125			

Matrix Spike Dup (1C21017-MSD1) Prepared: 03/21/2011 10:36 Analyzed: 03/23/2011 10:20

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	565		10.0	ug/L	500	2.80 U	113	75-125	2	20	
Barium	612		10.0	ug/L	500	32.5	116	75-125	0.3	20	
Beryllium	300		1.00	ug/L	250	0.941	120	75-125	0.7	20	
Cadmium	294		1.00	ug/L	250	0.360 U	118	75-125	0.2	20	
Chromium	576		10.0	ug/L	500	1.00 U	115	75-125	0.3	20	
Cobalt	591		10.0	ug/L	500	2.05	118	75-125	1	20	
Copper	291		10.0	ug/L	250	2.55	115	75-125	0.2	20	
Iron	7590		50.0	ug/L	5000	1770	116	75-125	0.2	20	
Lead	577		10.0	ug/L	500	2.55	115	75-125	1	20	
Manganese	637		10.0	ug/L	250	349	115	75-125	0.7	20	
Nickel	573		10.0	ug/L	500	1.80 U	115	75-125	0.08	20	
Selenium	582		10.0	ug/L	500	2.70 U	116	75-125	1	20	
Silver	290		10.0	ug/L	250	1.90 U	116	75-125	0.1	20	
Vanadium	294		10.0	ug/L	250	1.76	117	75-125	0.2	20	

Post Spike (1C21017-PS1) Prepared: 03/21/2011 10:36 Analyzed: 03/23/2011 10:21

Source: C102362-02

QUALITY CONTROL

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

Batch 1C21017 - EPA 3005A

Post Spike (1C21017-PS1) Continued Prepared: 03/21/2011 10:36 Analyzed: 03/23/2011 10:21

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.15		0.0100	mg/L	1.00	0.00123	115	80-120			
Barium	1.19		0.0100	mg/L	1.00	0.0325	115	80-120			
Beryllium	0.586		0.00100	mg/L	0.500	0.000941	117	80-120			
Cadmium	0.584		0.00100	mg/L	0.500	7.51E-5	117	80-120			
Chromium	1.15		0.0100	mg/L	1.00	0.000459	115	80-120			
Cobalt	1.13		0.0100	mg/L	1.00	0.00205	113	80-120			
Copper	0.588		0.0100	mg/L	0.500	0.00255	117	80-120			
Iron	13.3		0.0500	mg/L	10.0	1.77	116	80-120			
Lead	1.15		0.0100	mg/L	1.00	0.00255	114	80-120			
Manganese	0.926		0.0100	mg/L	0.500	0.349	116	80-120			
Nickel	1.13		0.0100	mg/L	1.00	0.000775	113	80-120			
Selenium	1.17		0.0100	mg/L	1.00	0.00114	117	80-120			
Silver	0.572		0.0100	mg/L	0.500	0.000542	114	80-120			
Vanadium	0.589		0.0100	mg/L	0.500	0.00176	117	80-120			

Batch 1C22028 - EPA 3005A

Blank (1C22028-BLK1) Prepared: 03/22/2011 14:59 Analyzed: 03/25/2011 12:32

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

LCS (1C22028-BS1) Prepared: 03/22/2011 14:59 Analyzed: 03/25/2011 12:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.4		2.00	ug/L	25.0		106	80-120			
Thallium	25.9		1.00	ug/L	25.0		104	80-120			

Matrix Spike (1C22028-MS1) Prepared: 03/22/2011 14:59 Analyzed: 03/25/2011 12:43

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.5		2.00	ug/L	25.0	0.220 U	102	80-120			
Thallium	25.2		1.00	ug/L	25.0	0.110 U	101	80-120			

Matrix Spike Dup (1C22028-MSD1) Prepared: 03/22/2011 14:59 Analyzed: 03/25/2011 12:54

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.5		2.00	ug/L	25.0	0.220 U	106	80-120	4	20	
Thallium	26.0		1.00	ug/L	25.0	0.110 U	104	80-120	3	20	

Post Spike (1C22028-PS1) Prepared: 03/22/2011 14:59 Analyzed: 03/25/2011 12:58

Source: C102362-02

QUALITY CONTROL

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

Batch 1C22028 - EPA 3005A

Post Spike (1C22028-PS1) Continued Prepared: 03/22/2011 14:59 Analyzed: 03/25/2011 12:58

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	28.1		2.00	ug/L	25.0	0.0720	112	80-120			
Thallium	27.6		1.00	ug/L	25.0	-0.0710	111	80-120			

Batch 1C23035 - EPA 3005A

Blank (1C23035-BLK1) Prepared: 03/23/2011 14:38 Analyzed: 03/24/2011 12:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	3.80	U	10.0	ug/L							

LCS (1C23035-BS1) Prepared: 03/23/2011 14:38 Analyzed: 03/24/2011 12:28

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	489		10.0	ug/L	500		98	80-120			

LCS Dup (1C23035-BSD1) Prepared: 03/23/2011 14:38 Analyzed: 03/24/2011 12:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	506		10.0	ug/L	500		101	80-120	3	20	

Post Spike (1C23035-PS1) Prepared: 03/23/2011 14:38 Analyzed: 03/24/2011 12:38

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	0.970		0.0100	mg/L	1.00	0.00405	97	80-120			

Classical Chemistry Parameters - Quality Control

Batch 1C22008 - NO PREP

Blank (1C22008-BLK1) Prepared & Analyzed: 03/23/2011 15:11

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

LCS (1C22008-BS1) Prepared & Analyzed: 03/23/2011 15:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	290		10	mg/L	300		95	90-110			

Duplicate (1C22008-DUP1) Prepared & Analyzed: 03/23/2011 15:11

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	90000		10000	ug/L		88000			2	10	

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1C28001 - NO PREP

Blank (1C28001-BLK1) Prepared: 03/28/2011 01:39 Analyzed: 03/28/2011 02:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	12000	U	15000	ug/L							

LCS (1C28001-BS1) Prepared: 03/28/2011 01:39 Analyzed: 03/28/2011 02:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	94		15	mg/L	100		94	80-120			

Matrix Spike (1C28001-MS1) Prepared: 03/28/2011 01:39 Analyzed: 03/28/2011 02:47

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	71		15	mg/L	37.8	35	96	80-120			

Matrix Spike Dup (1C28001-MSD1) Prepared: 03/28/2011 01:39 Analyzed: 03/28/2011 02:48

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	82		15	mg/L	37.8	35	124	80-120	14	25	QM-05

Batch 1C28015 - NO PREP

Blank (1C28015-BLK1) Prepared: 03/28/2011 10:19 Analyzed: 03/29/2011 00:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	47	U	5000	ug/L							
Sulfate as SO4	20	U	5000	ug/L							

LCS (1C28015-BS1) Prepared: 03/28/2011 10:19 Analyzed: 03/29/2011 01:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	52		5.0	mg/L	50.0		103	90-110			
Sulfate as SO4	47		5.0	mg/L	50.0		94	90-110			

Matrix Spike (1C28015-MS1) Prepared: 03/28/2011 10:19 Analyzed: 03/29/2011 01:57

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	23		5.0	mg/L	20.0	3.9	93	90-110			
Sulfate as SO4	30		5.0	mg/L	20.0	12	92	90-110			

Matrix Spike (1C28015-MS2) Prepared: 03/28/2011 10:19 Analyzed: 03/29/2011 02:31

Source: C102362-02RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	21		5.0	mg/L	20.0	2.9	92	90-110			
Sulfate as SO4	24		5.0	mg/L	20.0	6.5	89	90-110			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1C28015 - NO PREP

Matrix Spike Dup (1C28015-MSD1) Prepared: 03/28/2011 10:19 Analyzed: 03/29/2011 02:14

Source: C102362-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	23		5.0	mg/L	20.0	3.9	94	90-110	0.3	10	
Sulfate as SO4	30		5.0	mg/L	20.0	12	93	90-110	0.3	10	

Matrix Spike Dup (1C28015-MSD2) Prepared: 03/28/2011 10:19 Analyzed: 03/29/2011 02:48

Source: C102362-02RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	21		5.0	mg/L	20.0	2.9	92	90-110	0.2	10	
Sulfate as SO4	24		5.0	mg/L	20.0	6.5	88	90-110	0.3	10	

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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

www.encolabs.com

Page 1 of 1

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0839-650610.100
Address: 5B Oak Branch Drive	Project Name/Desc: Henderson Co. LF C&D
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info
Tel: (336) 852-4903 Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): N. Rathjen	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone: Henderson Co / Eastern

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due __/__/__

Lab Workorder: C102362

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1,8260B Extended	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Alkalinity 310.2,Chloride 300,TDS SM2540C	Hg	Sulfate 300						Sample Comments
	4501-MW10	3/17/11	0937	G	GW	5	X	X	X	X	X						
	4501-MW11 (MS/MSD)	3/17/11	1021	G	GW	8	X	X	X	X	X						
	4501-MW12	3/17/11	1007	G	GW	5	X	X	X	X	X						
	4501-MW13	3/17/11	0954	G	GW	5	X	X	X	X	X						

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
Briana Gregory	3/8/11	[signature]	3/17/11 1200	Briana Gregory	3/18/11 10:00
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments/Special Reporting Requirements:
- please provide a level 2 data report
- estimated fees $1,040
- Unit rates per "Basic ordering agreement for lab services" dated April 9, 2004 and the 2009 unit pricing sheet.

Cooler #'s & Temps on Receipt: C-812 1.2°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

Authorized by: [signature]

Accepted by: [signature]

WORK ORDER

Printed: 3/31/2011 4:13:59PM

C102362

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**Henderson Co. LF C&D**	**Project Number:**	**0839-650610.100**
PO #:			

Report To:

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

Invoice To:

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

Received By:	Briana J Gregory	Date Received:	18-Mar-11 10:00
Logged In By:	Briana J Gregory	Date Logged In:	18-Mar-11 11:21

Work Order Comments:

C-812 received at 1.2°C

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

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

Project Name: Henderson County C&D Landfill

Project Reference Number: 0839-650610.100

Sampling Event Date: March 15-17, 2011

Review Date: April 6, 2011 *Initials:* JD

Report #: C102362

Person(s) performing the review are to initial each item on this form as acknowledgement of data acceptance, or as acknowledgement of a review issue. In the case of the latter, a brief explanation should follow the applicable item.

Golder Associates Inc. has reviewed the laboratory certificates of analysis, chain-of-custody form, and laboratory provided sample group quality assurance and quality control data for the above referenced sample group to identify potential bias or inaccuracy, in general accordance with the following United States Environmental Protection Agency documents:

- Region III Modifications to Functional Guidelines for Organic Data Review Multi-Media, Multi-Concentration, September 1994;
- Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, April 1993; and
- Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, July 1998.

COMPLIANCE ANALYTE LIST(S) (check all that apply)

___ NC Closed Facility List (.500 Rules)

X NC C & D List (New Rules)

___ NC Appendix I

___ NC Appendix I + Detects

___ NC Appendix II

___ NC Subtitle D Leachate List

Other: _____

1.0 CHAIN OF CUSTODY (COC) REVIEW

JD COC was properly signed by all parties.

JD Correct project name and number are on the form.

JD Sample receipt condition at laboratory was acceptable.

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

2.0 SAMPLE HOLDING TIMES

JD Holding times for extraction and/or analysis were met for each analytical Method (see below for reference).

Review Criteria		
Method	**Analytes**	**Holding Time**
SW-846 Method 8260 and 8011	VOCs	14 days
SW-846 Methods 8270, 8080, 8081, 8082, and 8151	SVOCs, PCBs, pesticides and herbicides	7 days for extraction, 40 days from extraction for analysis
SW-846 Methods 6000 and 7000 Series	Metals except mercury	6 months (no temperature requirements)
SW-846 Method 7470	Mercury	28 days
SW-846 Method 376.1	Sulfide	7 days
SW-846 Method 9010	Cyanide	14 days
EPA Method 300	Nitrate/Sulfate	48 hours/28 days
EPA Method 405.1	BOD	48 hours
EPA Method 410.4	COD	28 days
EPA Method 365.4	Phosphorous	28 days

3.0 LABORATORY QUALITY CONTROL REVIEW

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

JD Laboratory blank is interference-free.

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

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

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

JD MS/MSD/LCS recoveries for each method are within the acceptable limits (i.e., at least 1 of the 3 were within range).

- ***The spike recoveries for Alkalinity and Sulfate are outside of control limits for the MS and MSD samples. The QC batches are approved based on acceptable recovery of these analytes.***

4.0 ANALYTE LISTS/METHODS

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

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

5.0 DATA REPORTING

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

JD Trip, field and/or equipment, and laboratory blank results have all been reported. All detects for blanks are listed below by constituent. All laboratory method blanks, if any, have been 'flagged' with a 'B' where detected in other samples as appropriate and a laboratory narrative was provided. If the sample was flagged by the laboratory and is not within 5X of the concentration in the blank (or 10X for commonly detected laboratory contaminants-acetone, methylene chloride and phthalates), list below with explanation if flags should be removed. If flags need to be added for samples, also list below.

Field Blank (from Report C102361):
Manganese @ 3.57 µg/L (J) No B-flags needed.

JD It is clear from the laboratory report that samples have or have not been diluted during analysis, and if the samples have been diluted, the result is reported as a multiple of the dilution (e.g., a sample diluted 10x resulting in an analytical detection of 1.0 should be reported as 10). Those that have been diluted are listed below with the dilution factor.

JD The report provides the reporting limit for each constituent.

JD The results were reported at or below their proper reporting limits (i.e., MDLs with SWSLs reported). Those that are not reported correctly are listed below (by constituent) with the proper reporting limit listed beside them. State if the reporting limit error is due to dilutions.

JD No organic constituents were reported above their respective SWSLs, and no inorganic or organic constituents were reported above their respective NC 2L Drinking Water Standards/SWS GWPS in wells, or field/equipment/trip blanks, or above applicable surface water standards in surface water points.

Organic SWSL Exceedances:

MW-12: ***Methlyene Chloride @ 1.6 µg/L (SWSL = 1 µg/L)***
Tetrachloroethene @ 1.4 µg/L (SWSL = 1 µg/L)
Trichlorofluoromethane @ 1.4 µg/L (SWSL = 1 µg/L)
MW-13: ***Tichlorofluoromethane @ 2.5 µg/L (SWSL = 1 µg/L)***

NC2L and/or SWS GWPS Exceedances:

MW-10: ***Cobalt @ 3.28 µg/L (GWPS = 1 µg/L)***
Iron @ 14,200 µg/L (NC2L = 300 µg/L)
Manganese @ 356 µg/L (NC2L = 50 µg/L)
Vanadium @ 19.5 µg/L (J) (GWPS = 0.3 µg/L)

MW-11: ***Cobalt @ 2.05 µg/L (GWPS = 1 µg/L)***
Iron @ 1,770 µg/L (NC2L = 300 µg/L)
Manganese @ 349 µg/L (NC2L = 50 µg/L)
Vanadium @ 1.76 µg/L (J) (GWPS = 0.3 µg/L)

MW-12: ***Iron @ 1,600 µg/L (NC2L = 300 µg/L)***
Manganese @ 389 µg/L (NC2L = 50 µg/L)
Tetrachloroethene @ 1.4 µg/L (NC2L = 0.7 µg/L)
Vanadium @ 3.03 µg/L (GWPS = 0.3 µg/L)

MW-13: ***Iron @ 462 µg/L (NC2L = 300 µg/L)***
Manganese @ 116 µg/L (NC2L = 50 µg/L)
Vinyl chloride @ 0.64 µg/L (J) (NC2L = 0.03 µg/L)

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

- ***MW-10:*** ***First time quantified detection of copper (15.9 ug/L)***
  Highest quantified historical detection of zinc (43.2 ug/L)
- ***MW-13:*** ***Highest quantified historical detection of zinc (26 ug/L)***

- ***Tetrahydrofuran was added as a sampling parameter for the C&D wells.***
  Tetrahydrofuran was detected in MW-12 and MW-13.

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

APPENDIX C

STATISTICAL EVALUATION WORKSHEETS & SUMMARY TABLE

Summary of Statistical Analysis
Henderson County Landfill, Permit No. 45-01
Hendersonville, North Carolina

March 2011												
Detected Monitoring Constituent/Analytes	**Reporting Units**	**Statistical Evaluation Method**		**Prediction Interval**	**Downgradient Monitoring Wells and Concentrations**						
					MW-6	**MW-7**	**MW-8**	**AMW-1S**	**AMW-1D**	**AMW-2S**	**AMW-2D**
Baium	ug/L	Interwell	Nonparametric Prediction Interval	348	39.4 J	417	414	216	8.14 J	85.4 J	2.71 J
		MW-7 Intrawell	Nonparametric Prediction Interval	500							
		MW-8 Intrawell	Nonparametric Prediction Interval	1130							
Beryllium	ug/L	Interwell	Nonparametric Prediction Interval	4.60	ND	0.422 J	ND	1.06	ND	1.80	ND
Cadmium	ug/L	Interwell	Poisson Prediction Interval	2.81	0.517 J	ND	ND	1.07	ND	ND	ND
Lead	ug/L	Interwell	Nonparametric Prediction Interval	75.9	ND	ND	3.40 J	ND	ND	25.6	2.69 J
Zinc	ug/L	Interwell	Nonparametric Prediction Interval	50.0	36.7	7.03 J	611	4.64 J	17.5	44.8	4.77 J
		MW-8 Intrawell	Nonparametric Prediction Interval	168							

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

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 5/13/11

Analyte: Barium

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/5/94	MW-5	134		100
2	2/14/95	MW-5	ND		100
3	4/3/95	MW-5	174		100
4	10/30/95	MW-5	348		100
5	4/8/96	MW-5	199		100
6	10/24/96	MW-5	300		100
7	4/15/97	MW-5	180		100
8	10/29/97	MW-5	200		100
9	5/14/98	MW-5	ND		100
10	10/11/98	MW-5	ND		100
11	6/4/99	MW-5	ND		100
12	10/29/99	MW-5	ND		100
13	4/20/00	MW-5	ND		100
14	11/7/00	MW-5	ND		100
15	5/15/01	MW-5	ND		100
16	10/16/01	MW-5	ND		100
17	4/24/02	MW-5	ND		100
18	10/1/02	MW-5	ND		100
19	4/9/03	MW-5	ND		100
20	10/20/03	MW-5	ND		100
21	3/24/04	MW-5	ND		100
22	10/27/04	MW-5	ND		100
23	5/25/05	MW-5	ND		100
24	10/4/05	MW-5	ND		100
25	4/25/06	MW-5	ND		100
26	10/4/06	MW-5	ND		100
27	3/21/07	MW-5	47.5	J	100
28	10/2/07	MW-5	135		100
29	4/3/08	MW-5	87.8	J	100
30	10/29/08	MW-5	69.9	J	100
31	3/24/09	MW-5	26.2	J	100
32	9/22/09	MW-5	31.5	J	100
33	3/22/10	MW-5	28.2	J	100
34	9/23/10	MW-5	34.3	J	100
35	3/16/11	MW-5	71.3	J	100

Number of Data	35
Number of Truncated Data	19
Percentage of Truncated Data	54%

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

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 5/16/11

Analyte: Barium (MW-7 Intrawell)

Sample No.	Sample Date	Location	Concentration (ug/L)	Quantitation Limit (ug/L)
1	12/05/94	MW-7	378	100
2	02/14/95	MW-7	439	100
3	04/03/95	MW-7	350	100
4	10/30/95	MW-7	230	100
5	04/08/96	MW-7	264	100
6	10/24/96	MW-7	338	100
7	04/15/97	MW-7	300	100
8	10/29/97	MW-7	500	100
9	05/14/98	MW-7	ND	100
10	10/11/98	MW-7	ND	100
11	06/04/99	MW-7	ND	100
12	10/29/99	MW-7	ND	100
13	04/20/00	MW-7	ND	100
14	11/07/00	MW-7	ND	100
15	05/15/01	MW-7	ND	100
16	10/16/01	MW-7	116	100
17	04/24/02	MW-7	ND	100
18	10/01/02	MW-7	ND	100
19	04/09/03	MW-7	ND	100
20	10/20/03	MW-7	ND	100
21	03/24/04	MW-7	ND	100
22	10/27/04	MW-7	ND	100
23	05/25/05	MW-7	ND	100
24	10/04/05	MW-7	ND	100
25	04/25/06	MW-7	ND	100
26	10/04/06	MW-7	ND	100
27	03/21/07	MW-7	294	100
28	10/02/07	MW-7	198	100
29	04/03/08	MW-7	144	100
30	10/29/08	MW-7	227	100
31	03/24/09	MW-7	203	100
32	09/22/09	MW-7	259	100
33	03/22/10	MW-7	268	100
34	09/23/10	MW-7	302	100

Number of Data	34
Number of Truncated Data	17
Percentage of Truncated Data	50%

Nonparametric Prediction Interval: **500** ug/L

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 5/16/11

Analyte: Barium (Intrawell MW-8)

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/5/94	MW-8	528		100
2	2/14/95	MW-8	601		100
3	4/3/95	MW-8	786		100
4	10/30/95	MW-8	835		100
5	4/8/96	MW-8	790		100
6	10/24/96	MW-8	925		100
7	4/15/97	MW-8	810		100
8	10/29/97	MW-8	700		100
9	5/14/98	MW-8	628		100
10	10/11/98	MW-8	50	1/2 Quant. Limit	100
11	6/4/99	MW-8	552		100
12	10/29/99	MW-8	50	1/2 Quant. Limit	100
13	4/20/00	MW-8	50	1/2 Quant. Limit	100
14	11/7/00	MW-8	50	1/2 Quant. Limit	100
15	5/15/01	MW-8	604		100
16	10/16/01	MW-8	298		100
17	4/24/02	MW-8	642		100
18	10/1/02	MW-8	50	1/2 Quant. Limit	100
19	4/9/03	MW-8	522		100
20	10/20/03	MW-8	720		100
21	3/24/04	MW-8	829		100
22	10/27/04	MW-8	866		100
23	10/4/05	MW-8	982		100
24	4/25/06	MW-8	822		100
25	10/4/06	MW-8	920		100
26	3/21/07	MW-8	992		100
27	10/2/07	MW-8	695		100
28	4/3/08	MW-8	714		100
29	10/29/08	MW-8	429		100
30	3/24/09	MW-8	517		100
31	9/22/09	MW-8	916		100
32	3/22/10	MW-8	693		100
33	9/23/11	MW-8	1130		100

Number of Data	33
Number of Truncated Data	5
Percentage of Truncated Data	15%

Nonparametric Prediction Interval: **1130** ug/L

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 5/16/11

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

Complete the following table where:

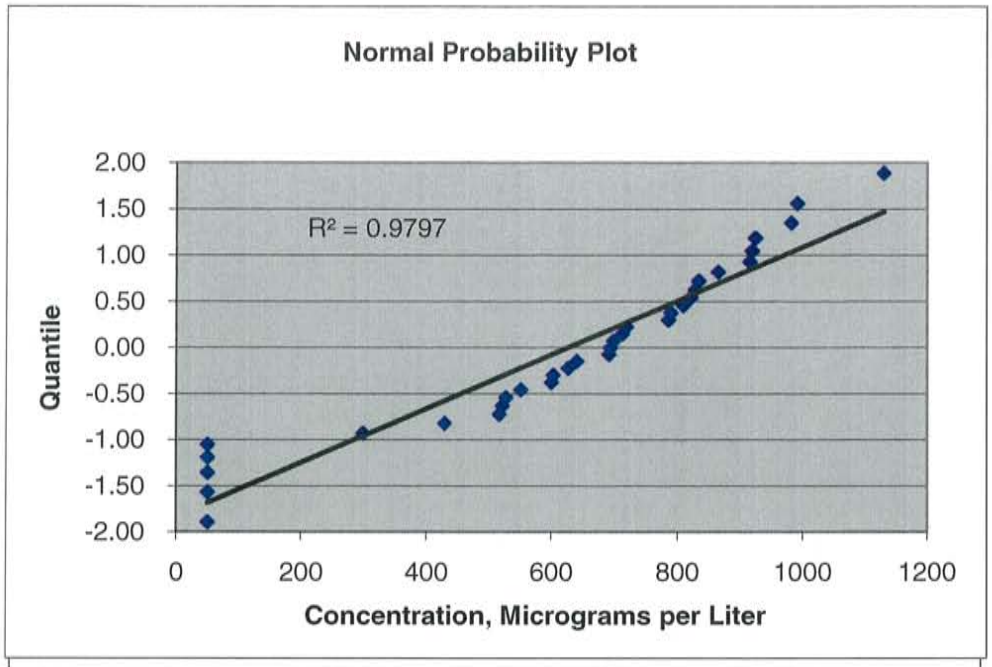
i = ordered value of sample, arranged from smallest to largest
X(i) = sample values arranged from smallest to largest
LN[X(i)] = Natural Log Value of sample concentrations arranged from smallest to largest
[i/(n+1)] = Cumulative probability
n = number of samples = 33

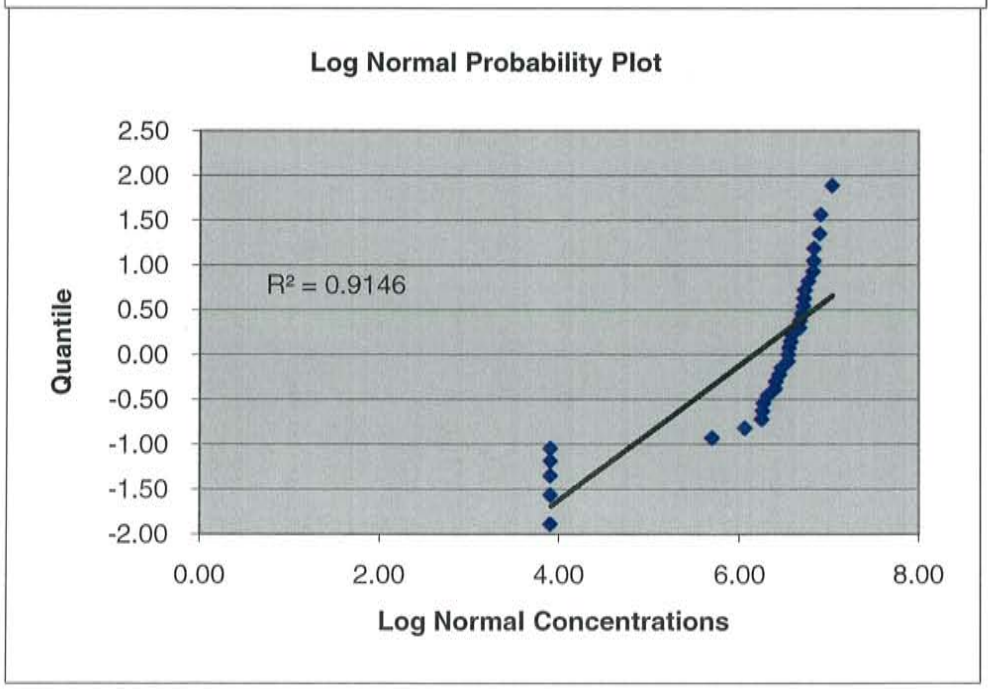
X(i)	LN[X(i)]	i	Rank	[Rank/(n+1)]	Quantiles
50	3.91	1	1	0.029	-1.89
50	3.91	2	2	0.059	-1.56
50	3.91	3	3	0.088	-1.35
50	3.91	4	4	0.118	-1.19
50	3.91	5	5	0.147	-1.05
298	5.70	6	6	0.176	-0.93
429	6.06	7	7	0.206	-0.82
517	6.25	8	8	0.235	-0.72
522	6.26	9	9	0.265	-0.63
528	6.27	10	10	0.294	-0.54
552	6.31	11	11	0.324	-0.46
601	6.40	12	12	0.353	-0.38
604	6.40	13	13	0.382	-0.30
628	6.44	14	14	0.412	-0.22
642	6.46	15	15	0.441	-0.15
693	6.54	16	16	0.471	-0.07
695	6.54	17	17	0.500	0.00
700	6.55	18	18	0.529	0.07
714	6.57	19	19	0.559	0.15
720	6.58	20	20	0.588	0.22
786	6.67	21	21	0.618	0.30
790	6.67	22	22	0.647	0.38
810	6.70	23	23	0.676	0.46
822	6.71	24	24	0.706	0.54
829	6.72	25	25	0.735	0.63
835	6.73	26	26	0.765	0.72
866	6.76	27	27	0.794	0.82
916	6.82	28	28	0.824	0.93
920	6.82	29	29	0.853	1.05
925	6.83	30	30	0.882	1.19
982	6.89	31	31	0.912	1.35
992	6.90	32	32	0.941	1.56
1130	7.03	33	33	0.971	1.89

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 05/16/11

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





Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 5/16/11

Determination of reported background value as an outlier

Analyte: Barium (Intrawell MW-8)

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)		Quantitation Limit (ug/l)
1	12/05/94	MW-8	528		100
2	02/14/95	MW-8	601		100
3	04/03/95	MW-8	786		100
4	10/30/95	MW-8	835		100
5	04/08/96	MW-8	790		100
6	10/24/96	MW-8	925		100
7	04/15/97	MW-8	810		100
8	10/29/97	MW-8	700		100
9	05/14/98	MW-8	628		100
10	10/11/98	MW-8	50.0		100
11	06/04/99	MW-8	552		100
12	10/29/99	MW-8	50.0		100
13	04/20/00	MW-8	50.0		100
14	11/07/00	MW-8	50.0		100
15	05/15/01	MW-8	604		100
16	10/16/01	MW-8	298		100
17	04/24/02	MW-8	642		100
18	10/01/02	MW-8	50.0		100
19	04/09/03	MW-8	522		100
20	10/20/03	MW-8	720		100
21	03/24/04	MW-8	829		100
22	10/27/04	MW-8	866		100
23	10/04/05	MW-8	982		100
24	04/25/06	MW-8	822		100
25	10/04/06	MW-8	920		100
26	03/21/07	MW-8	992		100
27	10/02/07	MW-8	695		100
28	04/03/08	MW-8	714		100
29	10/29/08	MW-8	429		100
30	03/24/09	MW-8	517		100
31	09/22/09	MW-8	916		100
32	03/22/10	MW-8	693		100
33	09/23/11	MW-8	1130		100

mean = 627.152
STD = 301.951

Note: All concentrations are micrograms per liter

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Using the data listed above, form the statistic Tn:

Tn = (Xn - mean) / STD

where:	Xn =	largest observed sample value
	mean =	mean of the background values
	STD =	standard deviation of the background values

For	Xn =	1130.000
	mean =	627.152
	STD =	301.951
	Tn =	**1.665**

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 =	33
Tc =	**2.736**

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

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 5/16/11

Shapiro Wilk Test Statistic (W) for normality of total Barium (Intrawell MW-8)

Complete the following table where

i = ordered value of sample, arranged from smallest to largest
X(i) = sample values arranged from smallest to largest
X(n-i+1) = sample values arranged from largest to smallest
A(n-i+1) = coefficient from table A-1, Statistical Analysis of Ground-Water Data at RCRA Facilities
B(i) = summation of (X(n-i+1)-X(i))A(n-i+1)

i	X(i)	X(n-i+1)	X(n-i+1) - X(i)	A(n-i+1)	B(i)
1	50.00	1130.00	1080	0.4156	448.85
2	50.00	992.00	942	0.2876	270.92
3	50.00	982.00	932	0.2451	228.43
4	50.00	925.00	875	0.2137	186.99
5	50.00	920.00	870	0.1880	163.56
6	298.00	916.00	618	0.1660	102.59
7	429.00	866.00	437	0.1463	63.93
8	517.00	835.00	318	0.1284	40.83
9	522.00	829.00	307	0.1118	34.32
10	528.00	822.00	294	0.0961	28.25
11	552.00	810.00	258	0.0812	20.95
12	601.00	790.00	189	0.0669	12.64
13	604.00	786.00	182	0.0530	9.65
14	628.00	720.00	92	0.0395	3.63
15	642.00	714.00	72	0.0262	1.89
16	693.00	700.00	7	0.0131	0.09
17	695.00	695.00	0	0.0000	0.00
18	700.00	693.00			
19	714.00	642.00			
20	720.00	628.00			
21	786.00	604.00			
22	790.00	601.00			
23	810.00	552.00			
24	822.00	528.00			
25	829.00	522.00			
26	835.00	517.00			
27	866.00	429.00			
28	916.00	298.00			
29	920.00	50.00			
30	925.00	50.00			
31	982.00	50.00			
32	992.00	50.00			
33	1130.00	50.00			

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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)	=	1617.53
	SD =	standard deviation of the data group	=	301.95
	n =	number of samples	=	33
			W =	0.897

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) = 0.931
and the calculated W = 0.897

Therefore the data is Non Normal

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 5/16/11

Shapiro Wilk Test Statistic (W) for log normality of Barium (Intrawell MW-8)

Complete the following table where

i = ordered value of sample, arranged from smallest to largest
X(i) = sample values arranged from smallest to largest
X(n-i+1) = sample values arranged from largest to smallest
A(n-i+1) = coefficient from table A-1, Statistical Analysis of Ground-Water Data at RCRA Facilities
B(i) = summation of (X(n-i+1)-X(i))A(n-i+1)

i	X(i)	X(n-i+1)	X(n-i+1) - X(i)	A(n-i+1)	B(i)
1	3.91	7.03	3.1179	0.4156	1.2958
2	3.91	6.90	2.9877	0.2876	0.8593
3	3.91	6.89	2.9776	0.2451	0.7298
4	3.91	6.83	2.9178	0.2137	0.6235
5	3.91	6.82	2.9124	0.1880	0.5475
6	5.70	6.82	1.1229	0.1660	0.1864
7	6.06	6.76	0.7024	0.1463	0.1028
8	6.25	6.73	0.4794	0.1284	0.0616
9	6.26	6.72	0.4626	0.1118	0.0517
10	6.27	6.71	0.4426	0.0961	0.0425
11	6.31	6.70	0.3835	0.0812	0.0311
12	6.40	6.67	0.2734	0.0669	0.0183
13	6.40	6.67	0.2634	0.0530	0.0140
14	6.44	6.58	0.1367	0.0395	0.0054
15	6.46	6.57	0.1063	0.0262	0.0028
16	6.54	6.55	0.0101	0.0131	0.0001
17	6.54	6.54	0.0000	0.0000	0.0000
18	6.55	6.54			
19	6.57	6.46			
20	6.58	6.44			
21	6.67	6.40			
22	6.67	6.40			
23	6.70	6.31			
24	6.71	6.27			
25	6.72	6.26			
26	6.73	6.25			
27	6.76	6.06			
28	6.82	5.70			
29	6.82	3.91			
30	6.83	3.91			
31	6.89	3.91			
32	6.90	3.91			
33	7.03	3.91			

The test statistic W can be found using:

W = SQR((B/SD x SQRT(n-1))

where: B = summation of (X(n-i+1)-X(i))A(n-i+1) = 4.5726

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SD =	standard deviation of the data group	=	0.9984
n =	number of samples	=	33

W = 0.6555

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) = 0.931
and the calculated W = 0.656

Therefore the data is Non Normal

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 5/16/11

Analyte: Beryllium

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/05/94	MW-5	ND		1
2	02/14/95	MW-5	ND		1
3	04/03/95	MW-5	ND		1
4	10/30/95	MW-5	ND		1
5	04/08/96	MW-5	ND		1
6	10/24/96	MW-5	ND		1
7	04/15/97	MW-5	ND		1
8	10/29/97	MW-5	ND		1
9	05/14/98	MW-5	ND		1
10	10/11/98	MW-5	ND		1
11	06/04/99	MW-5	ND		1
12	10/29/99	MW-5	ND		1
13	04/20/00	MW-5	ND		1
14	11/07/00	MW-5	ND		1
15	05/15/01	MW-5	ND		1
16	10/16/01	MW-5	ND		1
17	04/24/02	MW-5	4.2		1
18	10/01/02	MW-5	ND		1
19	04/09/03	MW-5	ND		1
20	10/20/03	MW-5	ND		1
21	03/24/04	MW-5	ND		1
22	10/27/04	MW-5	ND		1
23	05/25/05	MW-5	ND		1
24	10/04/05	MW-5	ND		1
25	04/25/06	MW-5	ND		1
26	10/04/06	MW-5	ND		1
27	03/21/07	MW-5	ND		1
28	10/02/07	MW-5	ND		1
29	04/03/08	MW-5	1.07		1
30	10/29/08	MW-5	4.60		1
31	03/24/09	MW-5	0.35	J	1
32	09/22/09	MW-5	0.438	J	1
33	03/22/10	MW-5	ND		1
34	09/23/10	MW-5	0.198	J	1
35	03/16/11	MW-5	0.208	J	1

Number of Data	35
Number of Truncated Data	28
Percentage of Truncated Data	80%

Nonparametric Prediction Interval: **4.60** ug/L

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 5/16/11

Analyte: Cadmium

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/05/94	MW-5	ND		1
2	02/14/95	MW-5	ND		1
3	04/03/95	MW-5	ND		1
4	10/30/95	MW-5	ND		1
5	04/08/96	MW-5	ND		1
6	10/24/96	MW-5	ND		1
7	04/15/97	MW-5	ND		1
8	10/29/97	MW-5	ND		1
9	05/14/98	MW-5	ND		1
10	10/11/98	MW-5	ND		1
11	06/04/99	MW-5	ND		1
12	10/29/99	MW-5	ND		1
13	04/20/00	MW-5	ND		1
14	11/07/00	MW-5	ND		1
15	05/15/01	MW-5	ND		1
16	10/16/01	MW-5	ND		1
17	04/24/02	MW-5	ND		1
18	10/01/02	MW-5	ND		1
19	04/09/03	MW-5	ND		1
20	10/20/03	MW-5	ND		1
21	03/24/04	MW-5	ND		1
22	10/27/04	MW-5	ND		1
23	05/25/05	MW-5	ND		1
24	10/04/05	MW-5	ND		1
25	04/25/06	MW-5	ND		1
26	10/04/06	MW-5	ND		1
27	03/21/07	MW-5	1.57	J	1
28	10/02/07	MW-5	ND		1
29	04/03/08	MW-5	ND		1
30	10/29/08	MW-5	ND		1
31	03/24/09	MW-5	ND		1
32	09/22/09	MW-5	0.667	J	1
33	03/22/10	MW-5	ND		1
34	09/23/10	MW-5	ND		1
35	03/16/11	MW-5	ND		1

Number of Data	35
Number of Truncated Data	33
Percentage of Truncated Data	94%

Poisson Interval: **2.81** ug/L

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 5/16/11

Upper Poisson Prediction Limit

Analyte: Cadmium

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)	Quantitation Limit (ug/l)	Poisson Count (ug/l)
1	12/05/94	MW-5	ND	1	1
2	02/14/95	MW-5	ND	1	1
3	04/03/95	MW-5	ND	1	1
4	10/30/95	MW-5	ND	1	1
5	04/08/96	MW-5	ND	1	1
6	10/24/96	MW-5	ND	1	1
7	04/15/97	MW-5	ND	1	1
8	10/29/97	MW-5	ND	1	1
9	05/14/98	MW-5	ND	1	1
10	10/11/98	MW-5	ND	1	1
11	06/04/99	MW-5	ND	1	1
12	10/29/99	MW-5	ND	1	1
13	04/20/00	MW-5	ND	1	1
14	11/07/00	MW-5	ND	1	1
15	05/15/01	MW-5	ND	1	1
16	10/16/01	MW-5	ND	1	1
17	04/24/02	MW-5	ND	1	1
18	10/01/02	MW-5	ND	1	1
19	04/09/03	MW-5	ND	1	1
20	10/20/03	MW-5	ND	1	1
21	03/24/04	MW-5	ND	1	1
22	10/27/04	MW-5	ND	1	1
23	05/25/05	MW-5	ND	1	1
24	10/04/05	MW-5	ND	1	1
25	04/25/06	MW-5	ND	1	1
26	10/04/06	MW-5	ND	1	1
27	03/21/07	MW-5	1.57	1	2
28	10/02/07	MW-5	ND	1	1
29	04/03/08	MW-5	ND	1	1
30	10/29/08	MW-5	ND	1	1
31	03/24/09	MW-5	ND	1	1
32	09/22/09	MW-5	0.667	1	1
33	03/22/10	MW-5	ND	1	1
34	09/23/10	MW-5	ND	1	1
35	03/16/11	MW-5	ND	1	1

Note: All sample concentrations are micrograms per liter

Using the background data, the upper Poisson Prediction Limit, y*, is determined by:

$$y^* = c\,y + [(t^2)\,c / 2] + t\,c\,[y\,(1 + (1/c)) + ((t^2) / 4)]^{0.5}$$

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where:

c =	k / n
y =	Poisson count
t =	t(n-1, 0.95), Student's t-distribution
n-1 =	degrees of freedom (number of samples - 1)
k =	number of downgradient samples per event (1)
.95 =	confidence interval
n =	number of background samples

For:

c =	0.029
y =	36.00
t =	1.692
n =	35

y* = 2.81 ug/L

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 4/7/11

Analyte: Lead

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/5/94	MW-5	ND		10
2	2/14/95	MW-5	ND		10
3	4/3/95	MW-5	ND		10
4	10/30/95	MW-5	7		10
5	4/8/96	MW-5	ND		10
6	10/24/96	MW-5	8		10
7	4/15/97	MW-5	13		10
8	10/29/97	MW-5	9		10
9	5/14/98	MW-5	ND		10
10	10/11/98	MW-5	ND		10
11	6/4/99	MW-5	ND		10
12	10/29/99	MW-5	ND		10
13	4/20/00	MW-5	ND		10
14	11/7/00	MW-5	ND		10
15	5/15/01	MW-5	ND		10
16	10/16/01	MW-5	ND		10
17	4/24/02	MW-5	24		10
18	10/1/02	MW-5	ND		10
19	4/9/03	MW-5	ND		10
20	10/20/03	MW-5	ND		10
21	3/24/04	MW-5	ND		10
22	10/27/04	MW-5	ND		10
23	5/25/05	MW-5	ND		10
24	10/4/05	MW-5	ND		10
25	4/25/06	MW-5	ND		10
26	10/4/06	MW-5	ND		10
27	3/21/07	MW-5	ND		10
28	10/2/07	MW-5	69.2	J	10
29	4/3/08	MW-5	75.8	J	10
30	10/29/08	MW-5	75.9	J	10
31	3/24/09	MW-5	3.3	J	10
32	9/22/09	MW-5	3.52	J	10
33	3/22/10	MW-5	ND		10
34	9/23/10	MW-5	ND		10
35	3/16/11	MW-5	4.92	J	10

Number of Data	35
Number of Truncated Data	24
Percentage of Truncated Data	69%

Nonparametric Prediction Interval: **75.9** ug/L

Golder Associates

Project Name: Henderson County Landfill
Project No: 083-9650610.100
Date: 5/16/11

Analyte: Zinc

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/5/94	MW-5	21		10
2	2/14/95	MW-5	33		10
3	4/3/95	MW-5	29		10
4	10/30/95	MW-5	25		10
5	4/8/96	MW-5	44		10
6	10/24/96	MW-5	37		10
7	4/15/97	MW-5	50		10
8	10/29/97	MW-5	ND		10
9	5/14/98	MW-5	ND		10
10	10/11/98	MW-5	ND		10
11	6/4/99	MW-5	ND		10
12	10/29/99	MW-5	ND		10
13	4/20/00	MW-5	ND		10
14	11/7/00	MW-5	ND		10
15	5/15/01	MW-5	ND		10
16	10/16/01	MW-5	ND		10
17	4/24/02	MW-5	ND		10
18	10/1/02	MW-5	ND		10
19	4/9/03	MW-5	ND		10
20	10/20/03	MW-5	ND		10
21	3/24/04	MW-5	ND		10
22	10/27/04	MW-5	ND		10
23	5/25/05	MW-5	ND		10
24	10/4/05	MW-5	ND		10
25	4/25/06	MW-5	ND		10
26	10/4/06	MW-5	ND		10
27	3/21/07	MW-5	15.6	J	10
28	10/2/07	MW-5	44		10
29	4/3/08	MW-5	31.9		10
30	10/29/08	MW-5	20.1		10
31	10/29/08	MW-5	13.8		10
32	3/22/10	MW-5	9.18	J	10
33	9/23/10	MW-5	ND		10
34	3/16/11	MW-5	17.6		10

Number of Data	34
Number of Truncated Data	20
Percentage of Truncated Data	59%

Nonparametric Prediction Interval: **50.0** ug/L

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 5/16/11

Analyte: Zinc (Intrawell MW-8)

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/05/94	MW-8	20		10
2	02/14/95	MW-8	69		10
3	04/03/95	MW-8	29		10
4	10/30/95	MW-8	ND		10
5	04/08/96	MW-8	67		10
6	10/24/96	MW-8	18		10
7	04/15/97	MW-8	30		10
8	10/29/97	MW-8	ND		10
9	05/14/98	MW-8	ND		10
10	10/11/98	MW-8	ND		10
11	06/04/99	MW-8	ND		10
12	10/29/99	MW-8	ND		10
13	04/20/00	MW-8	ND		10
14	11/07/00	MW-8	ND		10
15	05/15/01	MW-8	ND		10
16	10/16/01	MW-8	ND		10
17	04/24/02	MW-8	ND		10
18	10/01/02	MW-8	ND		10
19	04/09/03	MW-8	ND		10
20	10/20/03	MW-8	ND		10
21	03/24/04	MW-8	ND		10
22	10/27/04	MW-8	ND		10
23	05/25/05	MW-8	ND		10
24	10/04/05	MW-8	ND		10
25	04/25/06	MW-8	ND		10
26	10/04/06	MW-8	ND		10
27	03/21/07	MW-8	10.1	J	10
28	10/02/07	MW-8	5.43	J	10
29	04/03/08	MW-8	10.4		10
30	10/29/08	MW-8	6.90	J	10
31	03/24/09	MW-8	38.3		10
32	09/22/09	MW-8	12.8		10
33	03/22/10	MW-8	36.7		10
34	09/23/11	MW-8	168.0		10

Number of Data	34
Number of Truncated Data	20
Percentage of Truncated Data	59%

Nonparametric Prediction Interval: **168** ug/L

Golder Associates