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September 26, 2008

Project No. 053-6692008.100

WCA Waste Corporation
5830 Riverdale Drive
Jamestown, NC 27282

Attention: Mr. Nick Marotta
Regional Engineer

Re: Water Quality Monitoring Report, Second Semi-Annual 2008 Sampling Event WCA of High Point Construction and Demolition Landfill, Permit No. 92-31 Guilford County, North Carolina

Dear Nick:

Golder Associates NC, Inc. (Golder) is submitting this *Water Quality Monitoring Report,* which documents the results of the July 17-18, 2008, compliance monitoring event at the WCA of High Point Construction and Demolition Landfill.

Currently, WCA has chosen to voluntarily monitor groundwater for parameters in accordance with Title 15A NCAC 13B.0544 of the North Carolina Solid Waste Management Rules (NCSWMR). As presented, barium, cobalt, iron, and manganese were detected above the Solid Waste Section Limits (SWSLs) in one or more downgradient monitoring wells at the facility during this event. No organic constituents were detected in groundwater at the facility above the SWSLs during the July 2008 monitoring event.

As presented, the reported cobalt concentration in well MW-2 was above the inter-well statistical limit. Iron and manganese concentrations in MW-2 and MW-5 also exceeded their respective inter-well statistical limits. There are inadequate background data to perform intra-well statistical evaluations of cobalt, iron, and manganese. The detections of cobalt in MW-2 and iron and manganese in MW-2 and MW-5 are similar to historical detections in each well and the statistically significant increases are unconfirmed. Future data will help determine the statistical significance of these detections. The detections of iron and manganese in several downgradient wells were above the NC 2L groundwater standard; however, as described above these constituents appear to be representative of background conditions.

No inorganic or organic constituents were detected in surface water sampling points above the SWSLs during the July 2008 monitoring event. Surface water monitoring points SW-1 and SW-2 were dry during this event and no samples could be obtained.

Based on these results, WCA will continue monitoring this facility in accordance with the requirements of the Detection Monitoring Program for Construction & Demolition Landfills as outlined in Title 15A NCAC 13B.0544. The next event is tentatively scheduled for January 2009. If you have any questions, please contact the undersigned at 336-852-4903.

Sincerely,
GOLDER ASSOCIATES NC, INC.

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

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

Enclosure

C: Mike McFeeley, Landfill Manager, WCA of High Point, 5830 Riverdale Drive, Jamestown, NC 27282, 336-886-3560 mmcfeeley@wcamerica.com

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DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

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 WCA of High Point, LLC

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

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

E-mail: dreedy@golder.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
WCA of High Point C&D Landfill	5830 Riverdale Drive, Jamestown, NC 27282	41-16	.0500	July 17-18, 2008

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

David Y. Reedy II, P.G.	Project Hydrogeologist	(336) 852-4903
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Signature: David Y. Reedy II Date: 9-26-08

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED PROFESSIONAL SEAL 1953 GEOLOGIST DAVID YATES REEDY, II 9-26-08

Revised 10/2006

WATER QUALITY MONITORING REPORT
SECOND SEMI-ANNUAL 2008 SAMPLING EVENT

WCA OF HIGH POINT CONSTRUCTION AND DEMOLITION LANDFILL, PERMIT NO. 41-16
GUILFORD COUNTY, NORTH CAROLINA

SEPTEMBER 2008

PREPARED FOR:

WCA OF HIGH POINT, LLC
5830 RIVERDALE DRIVE
JAMESTOWN, NORTH CAROLINA 27282

PREPARED BY:

GOLDER ASSOCIATES NC, INC.
4900 KOGER BOULEVARD, SUITE 140
GREENSBORO, NORTH CAROLINA 27407
PROJECT NO. 053-6692008.100

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1.0 INTRODUCTION

This report summarizes the monitoring results from the July 17-18, 2008, groundwater, surface water sampling and analysis event at the WCA Waste Corporation (WCA) Construction & Demolition (C&D) Landfill in Guilford County, North Carolina in accordance with Title 15A of the North Carolina Administrative Code (NCAC) Subchapter 13B.0544. The WCA of High Point Landfill, an active C&D landfill, is owned and operated by WCA of High Point, LLC under Permit No. 41-16 issued by the North Carolina (NC) Department of Environment and Natural Resources (DENR).

1.1 Site Description and Background

The location of the facility is shown on the inlay on Drawing 1. As presented, the WCA of High Point C&D Landfill is located along Riverdale Drive within the city limits of Jamestown in Guilford County, North Carolina. The site consists of approximately 154 acres, of which, approximately 12 acres is currently permitted as the Phase 1 waste unit.

There are three small unnamed streams that traverse the site and flow into an unnamed tributary of Richland Creek, which forms the southern property boundary as shown on Drawing 1. The first unnamed tributary is a southwest trending stream that forms the northwestern property boundary. The second tributary is a southwest trending drainage in the center of the property and lies just east of the proposed Phase 2 waste unit. The third tributary is a southwest trending drainage in the eastern portion of the site. A large man-made pond is located near the eastern property boundary. A small storm water basin was constructed in the northwest corner of the facility and a larger storm water basin was constructed along the southwestern part of the site during the construction of Phase 1.

Topographic surface elevations at the facility range from approximately 700 to 820 feet above mean sea level. The western portion of the site mainly consisted of trees and heavy brush before Phase 1 of the C&D landfill was constructed. Now, most of that area consists of landfill operations. The eastern portion of the site has historically been used for agricultural purposes. A reclamation facility is now located at the northernmost part of the site. A large portion of the surrounding properties are agricultural, sparse residential, or owned by the City of High Point for operations associated with Kersey Valley Landfill.

1.2 Compliance Monitoring History

Groundwater monitoring at the facility was initiated in October 2003 after approval of the Groundwater Monitoring Plan by the NC DENR. Currently the facility's monitoring network is comprised of six monitoring wells (MW-1, MW-2, MW-3, MW-4S, MW-5, and MW-6), which monitor the uppermost aquifer beneath the facility. Monitoring wells MW-7S and MW-8 were installed in July 2006 as part of the proposed monitoring network for the proposed Phase 2 expansion at the facility. Monitoring wells MW-7S and MW-8 are currently in background

monitoring at the facility; the July 2008 event was the forth and final background sampling event for these wells.

In addition to the groundwater monitoring points, the facility's monitoring network includes four surface water sampling points, SW-1 and SW-3, which are upstream from the waste area, and SW-2 and SW-4, which are downstream monitoring points. These points are sampled in conjunction with the groundwater monitoring wells in accordance with the facility's permit.

1.3 Hydrogeologic Setting

Geologically, the facility is located within the Carolina Slate Belt of the Piedmont Physiographic Province of North Carolina (NCGS, 1985). Generally, the Carolina Slate Belt consists of Late Proterozoic to Cambrian volcanic and greenschist-facies metasedimentary rocks intruded by plutonic suites (Butler and Secor, 1991). The site geology is characterized by a regional-scale felsic intrusive complex, which consists mainly of white to gray, fine- to coarse-grained, massive to foliated metamorphosed granitic rocks. The region is characterized by regional and small scale Mesozoic diabase dikes.

The uppermost groundwater beneath the facility is present in a shallow, unconfined aquifer comprised of saprolite, partially weathered rock (PWR), and granitic bedrock. Groundwater occurs at depths of approximately 25 feet below grade along the northern upgradient side of the waste disposal area, and at a depth of less than 10 feet below grade along the perimeter downgradient boundary. Depth-to-water measurements obtained during the July 2008 monitoring event and summarized in Table 1, were used to prepare a groundwater surface contour map presented on Drawing 1.

Surface water and groundwater at the site generally flows south to southwest towards a tributary of Richland Creek. Richland Creek is approximately 1300 feet south of the site and flows to the Deep River, which is approximately 0.5 miles from the site. Groundwater beneath the site flows in three distinguishable and vertically interconnected hydrogeologic units; saprolite, PWR, and bedrock. The groundwater surface contour map and interpreted flow directions are consistent with previously submitted interpretations for this facility.

Based on the July 17, 2008, groundwater surface contour map, the hydraulic gradient in the shallow aquifer underlying the site, as measured along the conceptual flow path shown on the contour map, was calculated to be approximately 0.050 feet per foot. Groundwater velocities were calculated using a hydraulic conductivity of 1.37E-05, which is the geometric mean of the hydraulic conductivities for each of the hydrogeologic units present at the facility. The estimated effective porosity of the shallow aquifer is expected to range from 0.20 (saprolite) to 0.09 (fractured rock). The effective porosity of the fractured rock was used in calculations to provide a conservative estimate of groundwater flow.

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 waste management unit is approximately 7.9 feet/year, which is consistent with previous estimates (Table 3). The range of groundwater flow is expected to vary depending on the hydrogeologic unit in which it occurs. The linear velocity equation above makes the simplified assumptions of a homogeneous and isotropic aquifer. Therefore, this equation can grossly overestimate groundwater velocity when applied to heterogeneous and/or anisotropic conditions, such as in the saprolite wells used for gradient estimates at this site. The saprolite may have areas that exhibit relict foliation and these structures can result in locally anisotropic groundwater flow directions.

2.0 FIELD PROGRAM, MONITORING RESULTS, AND DISCUSSION

Field activities conducted as part of the July 2008 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 Golder personnel at the WCA of High Point C&D 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 July 2008 compliance monitoring event, no physical indicators of a potential release were observed in the vicinity of the waste management areas.

2.2 Well Network and Groundwater Elevation Measurements

The current approved network of groundwater monitoring wells at the facility consists of wells MW-1, MW-2, MW-3, MW-4S, MW-5, and MW-6. Monitoring well construction information is summarized on Table 4 and the well locations are shown on Drawing 1. The well locations were selected to yield groundwater samples representative of the conditions in the uppermost aquifer underlying the facility, and to monitor for potential releases from the landfill unit. Two upgradient (SW-1 and SW-3) and two downgradient (SW-2 and SW-4) surface water monitoring points are also monitored and are shown on Drawing 1.

Monitoring well MW-1 is the facility's background well and is located hydraulically upgradient of the waste disposal area. Monitoring wells MW-2, MW-3, MW-4S, MW-5, and MW-6 are located downgradient of the waste disposal area and represent the facility's downgradient

compliance wells. Monitoring wells MW-7S and MW-8 are downgradient monitoring wells for the proposed Phase 2 expansion. The well locations were selected to yield groundwater samples representative of the conditions in the uppermost aquifer underlying the facility and monitor for potential releases from the landfill unit.

Depth-to-water measurements were recorded to the nearest 0.01 foot prior to initiating groundwater purging and sampling activities. The respective groundwater level elevations for this event are presented in Table 1. The historical water level data are also shown on this table.

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 limited to approximately 6 feet (plus or minus). As expected, the range in fluctuation appears to be greater in the upgradient well MW-1, as this well is located in a groundwater recharge area. The range in fluctuation in downgradient compliance wells, which are located near groundwater discharge areas, is much less, presumably due to the stabilizing effect of the hydraulic discharge boundary.

2.3 July 2008 Groundwater Monitoring Event

Personnel from Golder visited the facility on July 17-18, 2008, to purge and sample monitoring wells MW-1, MW-2, MW-3, MW-4S, MW-5, MW-6, MW-7S, and MW-8, and to sample surface water monitoring points SW-1, SW-2, SW-3, and SW-4. Surface water monitoring points SW-1 and SW-2 were dry during the July 2008 sampling event and samples were unable to be obtained. Depth-to-water measurements were obtained from the network monitoring wells to the nearest 0.01 foot using an electronic water level indicator prior to purging the wells.

Monitoring wells were purged and sampled using low-flow sampling techniques from dedicated bladder pumps, which were installed on January 29, 2008. Measurements of temperature, pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity were recorded on approximately 3 to 4 minute intervals during the purge, depending on the purge rate. In general, the purge rate was matched to the yield of the monitoring well, as determined by continuously monitoring the depth-to-water, not allowing the purge rate to exceed 500 milliliters per minute. Purging was continued until stabilization was indicated by the water quality parameters. In general, stabilization was deemed to be complete once the range in measured values for the required water quality parameters was less than 10% per parameter over three monitoring intervals.

Prior to sampling, 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 required groundwater samples were collected directly from the dedicated bladder pump discharge lines into the labeled, laboratory-supplied, pre-preserved sample containers after purging was completed based on stabilization of water quality parameters. After collection, the samples were placed in a cooler on ice, under chain-of-custody control. Copies of the sampling

logs are presented in Appendix I. Included in each log is a description of the sampling equipment, sampling method, field observations, and water quality measurements.

The surface water samples were collected directly from the stream flow, by lowering the sample containers into the stream flow with the opening facing into the current flow, taking care to prevent the over flow of the sample containers and to minimize sample-induced turbidity. Measurements of temperature, pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity were recorded during the collection of the surface water samples.
After collection, the samples were placed in a cooler on ice, under chain-of-custody control. Copies of the sampling logs are presented in Appendix I. Included in each log is a description of the sampling equipment, sampling method, field observations, and water quality measurements.

2.4 Laboratory Analysis Program

The July 17-18, 2008, groundwater and surface water samples were shipped to Environmental Conservation Laboratories, Inc. (ENCO) of Cary, North Carolina under chain-of-custody control for analysis. As presented, groundwater samples at the facility were analyzed for NC Appendix I plus required indicator parameters specific to the C&D rules effective January 1, 2007. The surface water samples at the facility were analyzed for the NC Appendix I list of constituents. The samples were received at the laboratory on July 18-19, 2008, in good condition and properly preserved.

2.5 July 2008 Sampling Results

Analytical results for the July 2008 groundwater and surface water samples are summarized in Table 5 and Table 6 with available historical data. The laboratory certificates-of-analysis, chain-of-custody form and laboratory data reviews for the sampling event are included in Appendix II.

As presented, barium, cobalt, iron, and manganese were detected above the Solid Waste Section Limits (SWSLs) in one or more downgradient compliance monitoring wells at the facility during the July 2008 monitoring event. Several indicator parameters were also detected at quantifiable concentrations in one or more downgradient compliance wells during this event. No organic constituents were detected in groundwater at the facility above the SWSLs during the July 2008 monitoring event. No NC Appendix I inorganic or organic constituents were detected above the SWSLs in surface water samples collected at the facility during the July 2008 monitoring event.

3.0 LABORATORY AND FIELD QA/QC

A field blank was collected by Golder personnel as part of the July 2008 sampling event. In addition to the field blank, a laboratory-prepared trip blank accompanied the volatile sample containers for the July 2008 sampling event to and from the laboratory. ENCO analyzed the field blank for NC Appendix I metals and volatile organic compounds (VOCs), and the trip blank for Appendix I VOCs. Reviews of the laboratory data were performed by Golder personnel (included in Appendix II).

Total alkalinity and chloride were detected at estimated concentrations in at least one of the laboratory method blanks. Due to the detections of total alkalinity and chloride in the laboratory method blanks, the concentrations of total alkalinity detected in MW-1 and MW-4S and the concentrations of chloride in MW-3 and MW-7S are considered blank-qualified.

4.0 DATA EVALUATION

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

4.1 Statistical Evaluations

As presented, barium, cobalt, iron, and manganese were detected above their respective SWSLs in downgradient monitoring wells during this sampling event. Pursuant to the requirements of 15A NCAC 13B.0544, the concentrations of barium, cobalt, iron, and manganese were statistically evaluated in accordance with the procedures outlined in 15A NCAC 13B.0544 (g) and (h) to determine if the reported concentrations exceeded the facility background concentration. The statistical worksheets are presented as Appendix III. This is the first semi-annual event that sufficient background data were available to perform inter-well statistical evaluations for cobalt, iron, and manganese.

As presented, the reported cobalt concentration in well MW-2 was above the inter-well statistical limit. Iron and manganese concentrations in MW-2 and MW-5 also exceeded their respective inter-well statistical limits. There are insufficient background data to perform intra-well statistical evaluations of cobalt, iron, and manganese; therefore, the statistically significant increases are unconfirmed. The detections of cobalt in MW-2 and iron and manganese in MW-2 and MW-5 are similar to historical detections in each well. Future data will help determine the statistical significance of these detections.

4.2 North Carolina Groundwater and Surface Water Quality Standard Comparisons

As presented in Table 5, concentrations of iron in MW-2, MW-4S, MW-5, and MW-7S, and concentrations of manganese in MW-2, MW-5, and MW-8 exceeded their respective NC 2L Standards. Vanadium was detected at estimated concentration above the Solid Waste Section Groundwater Protection Standard in MW-7S, as it has been during previous events. Since the concentrations in the downgradient wells are similar to the concentrations in the upgradient monitoring well and other background data for the facility, these are not interpreted to represent groundwater quality issues.

As shown on Table 6, no inorganic or organic constituents were detected above applicable surface water standards in surface water samples collected at the facility during the July 2008 monitoring event.

5.0 CONCLUSIONS

Based on the results summarized herein, WCA will continue monitoring this facility in accordance with the requirements of the Detection Monitoring Program for Construction & Demolition Landfills as outlined in Title 15A NCAC 13B.0544. The next groundwater monitoring event is scheduled for January 2009.

6.0 REFERENCES

Butler, J. Robert and Secor, Donald T., Jr., 1991, The Central Piedmont, in Horton, J. W., Jr., and Zullo, V.A., eds., The Geology of the Carolinas: The University of Tennessee Press, p. 59 - 78.

Joyce Engineering, Inc., 2002, *Hydrogeologic Report & Groundwater Monitoring Plan; Volume One; Site Application, Section II; MRR of High Point, LLC Construction and Demolition Debris Landfill, High Point, North Carolina*. Revised January 2003 and March 2003.

NCGS (North Carolina Geologic Survey), 1985. Geologic Map of North Carolina

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TABLES

TABLE 1

Summary of Historical Groundwater Elevation Data in Monitoring Wells
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

	Monitoring Wells									
	MW-1	**MW-2**	**MW-3**	**MW-4S**	**MW-4D**	**MW-5**	**MW-6**	**MW-7S**	**MW-7D**	**MW-8**
TOC Elevation (ft AMSL)	**813.17**	**754.85**	**755.48**	**733.76**	**734.23**	**747.83**	**735.23**	**761.20**	**763.27**	**762.60**
Date	**Static Groundwater Elevation (ft AMSL)**									
10/8/2003	795.37	748.43	739.48	728.29	---	741.04	726.66	---	---	---
1/23/2004	794.77	747.88	738.90	727.76	---	734.88	724.26	---	---	---
7/8/2004	794.08	748.05	736.77	727.60	---	735.44	724.33	---	---	---
1/25/2005	793.29	748.15	738.53	727.91	---	736.18	724.23	---	---	---
7/6/2005	793.98	746.84	736.57	726.11	---	734.73	724.26	---	---	---
1/9/2006	789.97	748.75	737.23	728.24	734.13	735.94	725.70	---	---	---
7/12/2006	793.37	748.80	737.13	727.85	734.13	735.39	724.37	---	---	---
1/16/2007	793.91	748.44	739.11	728.41	734.13	736.28	726.22	730.35	731.98	760.20
7/2/2007	793.85	745.85	736.46	725.83	734.13	734.42	724.13	730.30	731.67	756.86
1/29/2008	790.49	747.84	736.72	727.88	734.13	735.79	725.13	728.25	730.07	758.03
7/17/2008	792.66	744.50	735.97	724.85	734.10	734.45	724.21	728.84	730.10	756.02
MEAN	*793.25*	*747.59*	*737.53*	*727.34*	*734.13*	*735.87*	*724.86*	*729.44*	*730.96*	*757.78*
MAXIMUM	*795.37*	*748.80*	*739.48*	*728.41*	*734.13*	*741.04*	*726.66*	*730.35*	*731.98*	*760.20*
MINIMUM	*789.97*	*744.50*	*735.97*	*724.85*	*734.10*	*734.42*	*724.13*	*728.25*	*730.07*	*756.02*

Notes:
1. TOC = top of casing
2. ft AMSL = feet above mean sea level
3. Monitoring well MW-1 is the facility background well.
4. --- = no data available
5. Each water level for MW-4D was above ground surface, just below the top of casing.

TABLE 2

Summary of Estimated Horizontal Flow Velocities
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

July 2008							
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	NW	586	790 / 760	0.0512	0.09	1.37E-05	8.05
i_2	SW	1421	790 / 730	0.0422	0.09	1.37E-05	6.65
i_3	S	701	790 / 750	0.0571	0.09	1.37E-05	8.99

Notes:

1. Horizontal velocities based on the modified Darcy equation $V_{gw} = Ki/n_e$.
2. The geometric mean of K from individual well aquifer tests was used to calculate the hydraulic conductivity (tests conducted by Golder as part of the Phase 2 investigation not yet submitted).
3. The effective porosity for bedrock was used in velocity calculations.
4. cm/sec = centimeters per second

TABLE 3

Summary of Well Construction Information
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

WELL & PIEZOMETER NUMBER	DATE INSTALLED	CASING DIAMETER (inches)	WELL ELEVATIONS		TOTAL DEPTH DRILLED		SCREENED INTERVAL				LITHOLOGY OF SCREENED INTERVAL	STATUS
			GROUND SURFACE	T.O.C.	DEPTH (feet B.G.S.)	ELEV. (feet M.S.L.)	DEPTH (feet B.G.S.)		ELEVATION (feet M.S.L.)			
			feet above M.S.L.				from	to	from	to		
MW-1	09/29/03	2	809.79	813.17	30.0	779.79	15.0	30.0	794.79	779.79	Bedrock	Compliance Well
MW-2	09/30/03	2	752.30	754.85	16.5	735.80	6.5	16.5	745.80	735.80	PWR/Bedrock	Compliance Well
MW-3	10/02/03	2	752.65	755.48	27.0	725.65	12.0	27.0	740.65	725.65	PWR/Bedrock	Compliance Well
MW-4S	02/20/02	2	731.60	733.76	20.0	711.60	5.0	20.0	726.60	711.60	PWR/Bedrock	Compliance Well
MW-4D	02/19/02	2	731.88	734.23	80.0	651.88	60.0	80.0	671.88	651.88	Bedrock	Water Levels Only
MW-5	02/19/02	2	741.16	743.44	20.0	721.16	5.0	20.0	736.16	721.16	Saprolite/PWR/Bedrock	Compliance Well
MW-6	12/17/02	2	733.53	735.23	15.5	718.03	8.5	15.5	725.03	718.03	PWR/Bedrock	Compliance Well
MW-7S	07/13/06	2	761.20	763.52	45.0	716.20	30.0	45.0	731.20	716.20	PWR	Proposed Compliance Well
MW-7D	07/11/06	2	761.24	763.27	70.0	691.24	60.0	70.0	701.24	691.24	Bedrock	Proposed for Water Levels Only
MW-8	07/05/06	2	760.57	762.60	25.0	735.57	15.0	25.0	745.57	735.57	Bedrock	Proposed Compliance Well

Notes:
1. All elevations are referenced to mean sea level (M.S.L.); depths are referenced to ground surface (G.S.).
2. B.G.S. = below ground surface
3. T.O.C. = top of casing
4. PWR = partially weathered rock
5. MW-4S and MW-4D were installed as piezometers P-15S and P-15D, respectively, on February 19-20, 2002.
6. MW-5 was installed as piezometer P-12 on February 19, 2002.
7. MW-6 was installed as piezometer P-18 on December 17, 2002.
8. MW-7S and MW-7D were installed as piezometers P-30S and P-30D, respectively, on July 13 and 11, 2006.
9. MW-8 was installed as piezometer P-23 on July 5, 2006.

TABLE 4

Summary of Detected Constituents in Groundwater
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	SWS Reporting Limit	Upgradient	Downgradient							Blanks
				MW-1	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	
Arsenic	ug/L	10/08/03	10	ND	ND	ND	ND	ND	ND	--	--	ND
NC 2L = 50 ug/L	ug/L	01/23/04	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/04	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/25/05	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/06/05	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/09/06	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/07	10	ND	2.5 B	2.8 B	2.4 B	ND	ND	ND	ND	2.4 J
	ug/L	07/02/07	10	ND	ND	ND	ND	5.1 J	ND	ND	ND	ND
	ug/L	01/30/08	10	ND	ND	ND	ND	ND	ND	ND	ND	2.1 J
	ug/L	07/17/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	10/08/03	500	ND	ND	ND	ND	ND	ND	--	--	ND
NC 2L = 2000 ug/L	ug/L	01/23/04	500	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/04	500	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/25/05	500	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/06/05	500	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/09/06	500	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	500	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/07	100	141	187	25.5 J	73.9 J	86.7 J	53.5 J	210	46.4 J	0.90 J
	ug/L	07/02/07	100	137	338	29.4 J	33.4 J	87.8 J	57.5 J	230	42.4 J	1.2 J
	ug/L	01/30/08	100	100	190	46.9 J	66.6 J	110	82.2 J	143	66.8 J	0.30 J
	ug/L	07/17/08	100	102	279	36.5 J	52.5 J	92.8 J	65.1 J	108	49.2 J	ND
Chromium	ug/L	10/08/03	10	ND	ND	ND	ND	ND	ND	--	--	ND
NC 2L = 50 ug/L	ug/L	01/23/04	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/04	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/25/05	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/06/05	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/09/06	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/07	10	2.2 J	ND	ND	ND	ND	ND	17.0	ND	ND
	ug/L	07/02/07	10	ND	ND	ND	ND	ND	ND	19.0	ND	ND
	ug/L	01/30/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/17/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	ug/L	01/16/07	10	ND	14.6	ND	ND	3.0 J	5.9 J	3.9 J	ND	ND
SWS GPS = 70 ug/L	ug/L	07/02/07	10	ND	27.4	ND	ND	4.7 J	ND	6.0 J	ND	ND
	ug/L	01/30/08	10	ND	11.6	ND	ND	5.6 J	ND	ND	ND	ND
	ug/L	07/17/08	10	ND	27.6	ND	ND	1.4 J	ND	ND	ND	ND

TABLE 4

Summary of Detected Constituents in Groundwater
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	SWS Reporting Limit	Upgradient	Downgradient							Blanks
				MW-1	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	
Copper	ug/L	01/16/07	10	14.5	ND	ND	4.60 J	ND	ND	12.3	ND	ND
NC 2L = 1000 ug/L	ug/L	07/02/07	10	8.8 J	ND	ND	ND	ND	ND	16.3	3.4 J	ND
	ug/L	01/30/08	10	3.00 J	ND	ND	1.90 J	ND	ND	2.70 J	5.30 J	ND
	ug/L	07/17/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	ug/L	10/08/03	10	ND	ND	ND	ND	ND	ND	--	--	ND
NC 2L = 15 ug/L	ug/L	01/23/04	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/04	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/25/05	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/06/05	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/09/06	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/07	10	ND	ND	ND	ND	ND	3.1 J	4.5 J	ND	ND
	ug/L	07/02/07	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/30/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/17/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	ug/L	01/16/07	50	3.8 J	ND	ND	ND	ND	ND	17.2 J	ND	ND
NC 2L = 100 ug/L	ug/L	07/02/07	50	ND	3.0 J	ND	ND	ND	ND	19.0 J	ND	ND
	ug/L	01/30/08	50	2.5 J	3.6 J	2.4 J	3.7 J	6.5 J	ND	6.0 J	3.3 J	ND
	ug/L	07/17/08	50	2.1 J	ND	ND	ND	3.8 J	ND	2.3 J	ND	ND
Selenium	ug/L	10/08/03	20	ND	ND	ND	ND	ND	ND	--	--	ND
NC 2L = 50 ug/L	ug/L	01/23/04	20	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/04	20	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/25/05	20	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/06/05	20	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/09/06	20	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	20	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/07	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/02/2007	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/30/08	10	ND	ND	ND	ND	ND	2.0 J	ND	ND	ND
	ug/L	07/17/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4

Summary of Detected Constituents in Groundwater
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	SWS Reporting Limit	Upgradient	Downgradient							Blanks
				MW-1	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	
Silver	ug/L	10/08/03	10	ND	ND	ND	ND	ND	ND	--	--	ND
NC 2L = 17.5 ug/L	ug/L	01/23/04	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/04	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/25/05	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/06/05	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/09/06	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	10	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/07	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/02/07	10	ND	ND	ND	ND	2.5 J	ND	ND	2.0 J	ND
	ug/L	01/30/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/17/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	01/16/07	5.5	ND	0.048 J	ND	ND	ND	ND	ND	ND	ND
SWS GPS = 0.28 ug/L	ug/L	07/02/07	6	0.043 J	0.097 J	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/30/08	6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/17/08	6	ND	0.046 J	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	01/16/07	25	7.5 J	ND	ND	4.4 J	ND	ND	34.4	ND	ND
SWS GPS = 3.5 ug/L	ug/L	07/02/07	25	5.9 J	ND	1.9 J	2.3 J	ND	ND	44.3	2.6 J	ND
	ug/L	01/30/08	25	3.7 J	ND	ND	3.6 J	ND	ND	13.3 J	ND	ND
	ug/L	07/17/08	25	2.5 J	ND	ND	2.9 J	ND	ND	11.4 J	ND	ND
Zinc	ug/L	01/16/07	10	25.7 B	4.0 B	6.5 B	23.4 B	9.1 B	11.0 B	48.1 B	7.4 B	10.0
NC 2L = 1050 ug/L	ug/L	07/02/07	10	ND	28.0	ND	ND	ND	10.1	41.1	3.9 J	ND
	ug/L	01/30/08	10	2.3 B	1.8 B	2.9 B	3.8 B	3.0 B	4.9 B	9.1 J	4.4 B	1.6 J
	ug/L	07/17/08	10	ND	ND	ND	ND	ND	4.2 J	ND	ND	ND
Iron	ug/L	01/16/07	--	2530	3410	80 J	1020	9860	700	16400	680	--
NC 2L = 300 ug/L	ug/L	07/02/07	300	1510	18600	46 J	314	4960	592	19500	497	--
	ug/L	01/30/08	300	533	327	31 J	2220	21100	106 J	3320	1110	ND
	ug/L	07/17/08	300	161 J	10300	ND	1730	8620	ND	448	69 J	ND
Manganese	ug/L	01/16/07	--	50.6	6160	4.7 J	39.1	2620	361	205	204	--
NC 2L = 50 ug/L	ug/L	07/02/07	50	30.6 J	9540	4.2 J	29.5 J	1040	21.3 J	229	244	--
	ug/L	01/30/08	50	16.1 J	7760	8.0 J	27.3 J	4340	12.6 J	64.8	208	ND
	ug/L	07/17/08	50	26.7 J	25900	14.1 J	35.8 J	1080	10.5 J	11.1 J	94.2	ND
Chloride	mg/L	01/16/07	--	11.0	13.0	4.0	7.0	19.0	16.0	4.0	11.0	--
NC 2L = 250 ug/L	mg/L	07/02/07	NE	5.2	6.9	2.8 B	7.0	9.0	9.3	3.3	6.7	0.57 J
	mg/L	01/30/08	NE	6.5	10	3.3 J	10	16	15	3.3 J	9.4	ND
	mg/L	07/17/08	NE	8.0	14	4.3 B	9.8	21	14	3.9 B	8.4	1.3 J
Total Dissolved Solids	mg/L	01/16/07	--	214	180	68	82	280	212	236	236	--
No NC 2L or GPS	mg/L	07/02/07	NE	190	180	74	82	200	260	150	200	ND
	mg/L	01/30/08	10	210	200	100	110	410	310	180	240	ND
	mg/L	07/17/08	NE	220	270	54	90	280	220	140	190	ND

TABLE 4

Summary of Detected Constituents in Groundwater
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	SWS Reporting Limit	Upgradient		Downgradient																Blanks	
				MW-1		MW-2		MW-3		MW-4S		MW-5		MW-6		MW-7S		MW-8					
Sulfate as SO4	mg/L	01/16/07	--	48.4		44.3		7.03	B	33.4		41.7		51.2		24.0		13.6		2.25	J
NC 2L = 250 ug/L	mg/L	07/02/07	250	39		25		6.4		19		25		69		11		10		ND	
	mg/L	01/30/08	250	35	J	24	J	5.9	J	23	J	79	J	26	J	10	J	9.2	J	ND	
	mg/L	07/17/08	250	62	J	41	J	8.9	J	23	J	39	J	73	J	14	J	14	J	ND	
Total Alkalinity	mg/L	01/16/07	--	39		53		5.0		25		17		160		100		170		--	
No NC 2L or GPS	mg/L	07/02/07	NE	20		100		46		12		110		100		99		160		ND	
	mg/L	01/30/08	10	--		--		--		--		310		--		--		--		ND	
	mg/L	01/30/08	10	17		81		32		ND		--		89		100		170		ND	
	mg/L	07/17/08	NE	22	B	210		30		19	B	180		68		100		150		4.8	J
pH (Field)	S.U.	07/06/05	--	6.47		5.44		6.00		5.85		5.88		6.42		--		--		--	
	S.U.	01/09/06	--	5.96		5.76		6.37		6.02		6.27		6.10		--		--		--	
	S.U.	07/12/06	--	6.20		5.64		6.10		5.70		6.38		6.85		--		--		--	
	S.U.	01/16/07	--	7.35		6.82		6.88		6.61		6.22		6.59		6.74		7.20		--	
	S.U.	07/02/07	--	7.47		7.24		7.14		6.77		7.13		7.40		7.30		7.13		--	
	S.U.	01/30/08	--	5.78		5.51		5.92		5.34		6.29		6.25		6.58		7.35		--	
	S.U.	07/17/08	--	5.75		5.75		5.70		5.86		6.05		5.91		6.47		7.23		--	
Specific Conductance (Field)	uS/cm	07/06/05	1	253		222		178		168		313		520		--		--		--	
	uS/cm	01/09/06	1	146		164		82		81		334		142		--		--		--	
	uS/cm	07/12/06	1	235		222		118		215		363		367		--		--		--	
	uS/cm	01/16/07	1	224		279		850		110		497		226		268		374		--	
	uS/cm	07/02/07	1	234		330		131		125		355		413		261		384		--	
	uS/cm	01/30/08	1	317		411		269		346		999		595		318		505		--	
	uS/cm	07/17/08	1	266		528		105		153		510		376		248		360		--	
Temperature (Field)	^{o}C	07/06/05	0.01	20.8		20.5		16.2		19.3		19.0		19.6		--		--		--	
	^{o}C	01/09/06	0.01	17.86		14.23		15.62		13.82		16.72		14.35		--		--		--	
	^{o}C	07/12/06	0.01	23.85		24.21		20.80		21.80		20.59		20.91		--		--		--	
	^{o}C	01/16/07	0.01	15.80		12.10		13.80		18.8		12.50		12.00		12.20		12.50		--	
	^{o}C	07/02/07	0.01	19.65		18.72		17.72		18.23		18.54		17.27		16.27		18.76		--	
	^{o}C	01/30/08	0.01	16.01		12.32		15.12		13.19		14.84		13.01		14.34		12.35		--	
	^{o}C	07/17/08	0.01	18.58		17.34		17.47		17.02		19.68		20.10		17.33		17.16		--	
Turbidity (Field)	NTU	07/06/05	0.1	92.1		126		241		65.2		71.4		71.4		--		--		--	
	NTU	01/09/06	0.1	165		293		48.5		55.2		28.4		130		--		--		--	
	NTU	07/12/06	0.1	130		89.2		49.2		28.0		64.0		387		--		--		--	
	NTU	01/16/07	0.1	372		62.5		73.3		188		497		294		>1000		130		--	
	NTU	07/02/07	0.1	222		521		37.0		146		61.2		405		>1000		66.3		--	
	NTU	01/30/08	0.1	13.7		15.5		3.08		44.6		56.1		6.81		64.1		58.4		--	
	NTU	07/17/08	0.1	4.48		0.97		1.11		18.3		45.7		2.41		7.00		5.21		--	

TABLE 4

Summary of Detected Constituents in Groundwater
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	SWS Reporting Limit	Upgradient	Downgradient							Blanks
				MW-1	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	
Oxidation Reduction	mV	01/30/08	1	213	194	177	226	-21	203	160	166	--
Potential (Field)	mV	07/17/08	1	178	-1	151	68	106	122	117	117	--
Dissolved Oxygen (Field)	mg/L	01/30/08	0.01	3.83	5.13	5.56	2.52	3.48	5.34	6.40	3.27	--
	mg/L	07/17/08	0.01	4.55	0.54	4.58	0.36	1.81	5.61	5.78	1.50	--

Notes:
1. MW = groundwater monitoring well
2. ug/L = micrograms per liter
3. mg/L = milligrams per liter
4. J = Estimated Value
5. B = Blank-qualified data
6. S.U. = Standard Units
7. NTU = Nephelometric Turbidity Units
8. uS/cm = microsiemens per centimeter
9. ND = Not detected at or above the stated reporting limit
10. Standards = NC 2L Groundwater Standards or North Carolina Solid Waste Section Groundwater Protection Standards
11. --- = no data available
12. Concentrations above the 2L Groundwater Standards or Groundwater Protection Standards have been shaded.
13. Blanks = Field, trip and laboratory blanks.
14. SWS Reporting Limit = NCPQL prior to 2007 and NCSWSL starting in 01/18/07
15. Data prior to 1/9/06 provided by Joyce Engineering, Inc.
16. Total Alkalinity analysis for MW-2 was diluted during the July 2008 monitoring event.

TABLE 5

Summary of Detected Constituents in Surface Water
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	SWS Reporting Limit	Upstream		Downstream		Blanks
				SW-1	SW-3	SW-2	SW-4	
Arsenic	ug/L	10/08/03	10	ND	ND	ND	ND	ND
SW Standard = 50 ug/L	ug/L	01/23/04	10	ND	ND	ND	ND	ND
	ug/L	07/08/04	10	ND	ND	ND	ND	ND
	ug/L	01/25/05	10	ND	ND	ND	ND	ND
	ug/L	07/06/05	10	dry	ND	dry	ND	ND
	ug/L	01/09/06	10	ND	ND	ND	ND	ND
	ug/L	07/12/06	10	ND	ND	ND	ND	ND
	ug/L	01/16/07	10	ND	3.1 B	3.8 B	ND	2.4 J
	ug/L	07/02/07	10	dry	ND	dry	ND	ND
	ug/L	01/29/08	10	ND	ND	ND	ND	2.1 J
	ug/L	07/17/08	10	dry	ND	dry	ND	ND
Barium	ug/L	10/08/03	500	ND	ND	ND	ND	ND
(No SW Standard)	ug/L	01/23/04	500	ND	ND	ND	ND	ND
	ug/L	07/08/04	500	ND	ND	ND	ND	ND
	ug/L	01/25/05	500	ND	ND	ND	ND	ND
	ug/L	07/06/05	500	dry	ND	dry	ND	ND
	ug/L	01/09/06	500	ND	ND	ND	ND	ND
	ug/L	07/12/06	500	ND	ND	ND	ND	ND
	ug/L	01/16/07	100	38.7 J	47.6 J	39.5 J	46.0 J	0.90 J
	ug/L	07/02/07	100	dry	62.6 J	dry	51.7 J	1.2 J
	ug/L	01/29/08	100	49.8 J	74.1 J	62.2 J	71.2 J	0.3 J
	ug/L	07/17/08	100	dry	67.3 J	dry	71.9 J	ND
Cadmium	ug/L	10/08/03	1	ND	ND	ND	ND	ND
NC 2L = 1.75 ug/L	ug/L	01/23/04	1	ND	ND	ND	ND	ND
	ug/L	07/08/04	1	ND	ND	ND	ND	ND
	ug/L	01/25/05	1	ND	ND	ND	ND	ND
	ug/L	07/06/05	1	dry	ND	dry	ND	ND
	ug/L	01/09/06	1	ND	ND	ND	ND	ND
	ug/L	07/12/06	1	ND	ND	ND	ND	ND
	ug/L	01/16/07	1	ND	ND	ND	ND	ND
	ug/L	07/02/07	1	dry	ND	dry	ND	ND
	ug/L	01/29/08	1	ND	ND	ND	ND	ND
	ug/L	07/17/08	1	dry	0.40 J	dry	ND	ND

TABLE 5

Summary of Detected Constituents in Surface Water
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	SWS Reporting Limit	Upstream				Downstream				Blanks	
				SW-1		SW-3		SW-2		SW-4			
Copper	ug/L	01/16/07	10	ND		1.50	J	1.00	J	ND		ND	
SW Standard = 7 ug/L*	ug/L	07/02/07	10	dry		ND		dry		ND		ND	
	ug/L	01/29/08	10	1.00	J	1.20	J	ND		1.10	J	ND	
	ug/L	07/17/08	10	dry		ND		dry		1.90	J	ND	
Lead	ug/L	10/08/03	10	ND		ND		ND		ND		ND	
SW Standard = 25 ug/L	ug/L	01/23/04	10	ND		ND		ND		ND		ND	
	ug/L	07/08/04	10	ND		ND		ND		ND		ND	
	ug/L	01/25/05	10	ND		ND		ND		ND		ND	
	ug/L	07/06/05	10	dry		ND		dry		ND		ND	
	ug/L	01/09/06	10	ND		ND		ND		ND		ND	
	ug/L	07/12/06	10	ND		ND		ND		ND		ND	
	ug/L	01/16/07	10	4.6	J	ND		2.6	J	3.6	J	ND	
	ug/L	07/02/07	10	dry		ND		dry		ND		ND	
	ug/L	01/29/08	10	ND		ND		ND		ND		ND	
	ug/L	07/17/08	10	dry		ND		dry		ND		ND	
Nickel	ug/L	01/16/07	50	2.9	J	ND		ND		ND		ND	
SW Standard = 88 ug/L	ug/L	07/02/07	50	dry		ND		dry		1.7	J	ND	
	ug/L	01/29/08	50	4.8	J	ND		ND		ND		ND	
	ug/L	07/17/08	50	dry		ND		dry		ND		ND	
Thallium	ug/L	01/16/07	5.5	ND		ND		ND		ND		ND	
(No SW Standard)	ug/L	07/02/07	6	dry		ND		dry		ND		ND	
	ug/L	01/29/08	6	ND		ND		0.041	J	ND		ND	
	ug/L	07/17/08	6	dry		ND		dry		ND		ND	
Vanadium	ug/L	01/16/07	25	ND		ND		ND		ND		ND	
(No SW Standard)	ug/L	07/02/07	25	dry		2.1	J	dry		2.6	J	ND	
	ug/L	01/29/08	25	ND		ND		ND		ND		ND	
	ug/L	07/17/08	25	dry		ND		dry		1.7	J	ND	
Zinc	ug/L	01/16/07	10	27.0	B	9.5	B	27.1	B	4.2	B	10.0	
SW Standard = 50 ug/L*	ug/L	07/02/07	10	dry		ND		dry		7.6	J	ND	
	ug/L	01/29/08	10	112		10.6		26.9		6.8	B	1.6	J
	ug/L	07/17/08	10	dry		3.8	J	dry		4.1	J	ND	

TABLE 5

Summary of Detected Constituents in Surface Water
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	SWS Reporting Limit	Upstream		Downstream		Blanks
				SW-1	SW-3	SW-2	SW-4	
pH (Field)	S.U.	07/06/05	--	--	6.49	--	7.02	--
	S.U.	01/09/06	--	6.70	6.45	6.01	6.72	--
	S.U.	07/12/06	--	6.28	6.38	5.86	6.78	--
	S.U.	01/16/07	--	7.44	6.10	6.02	6.35	--
	S.U.	07/02/07	--	dry	6.95	dry	8.19	--
	S.U.	01/29/08	--	5.96	5.76	5.91	6.36	--
	S.U.	07/17/08	--	dry	7.24	dry	7.20	--
Specific Conductance (Field)	uS/cm	07/06/05	1	--	407	--	366	--
	uS/cm	01/09/06	1	123	143	155	110	--
	uS/cm	07/12/06	1	175	258	237	213	--
	uS/cm	01/16/07	1	124	184	120	162	--
	uS/cm	07/02/07	1	dry	298	dry	143	--
	uS/cm	01/29/08	1	343	390	311	416	--
	uS/cm	07/17/08	1	dry	317	dry	316	--
Temperature (Field)	^{o}C	07/06/05	0.01	dry	23.3	dry	24.6	--
	^{o}C	01/09/06	0.01	10.78	7.15	7.30	9.61	--
	^{o}C	07/12/06	0.01	19.96	22.28	22.51	23.03	--
	^{o}C	01/16/07	0.01	10.70	11.80	11.60	11.50	--
	^{o}C	07/02/07	0.01	dry	20.87	dry	23.49	--
	^{o}C	01/29/08	0.01	8.39	6.21	6.93	6.99	--
	^{o}C	07/17/08	0.01	dry	20.94	dry	19.01	--
Turbidity (Field)	NTU	07/06/05	0.1	dry	15.5	dry	17.2	--
	NTU	01/09/06	0.1	dry	61.3	dry	68.4	--
	NTU	07/12/06	0.1	134	dry	dry	5.1	--
	NTU	01/16/07	0.1	5.8	37.7	39.5	32.3	--
	NTU	07/02/07	0.1	dry	27.1	dry	124	--
	NTU	01/29/08	0.1	3.4	100.0	15.2	94.9	--
	NTU	07/17/08	0.1	dry	16.2	dry	17.7	--
Oxidation Reduction	mV	01/29/08	1	165	202	214	182	--
	mV	07/17/08	1	dry	75	dry	76	--

TABLE 5

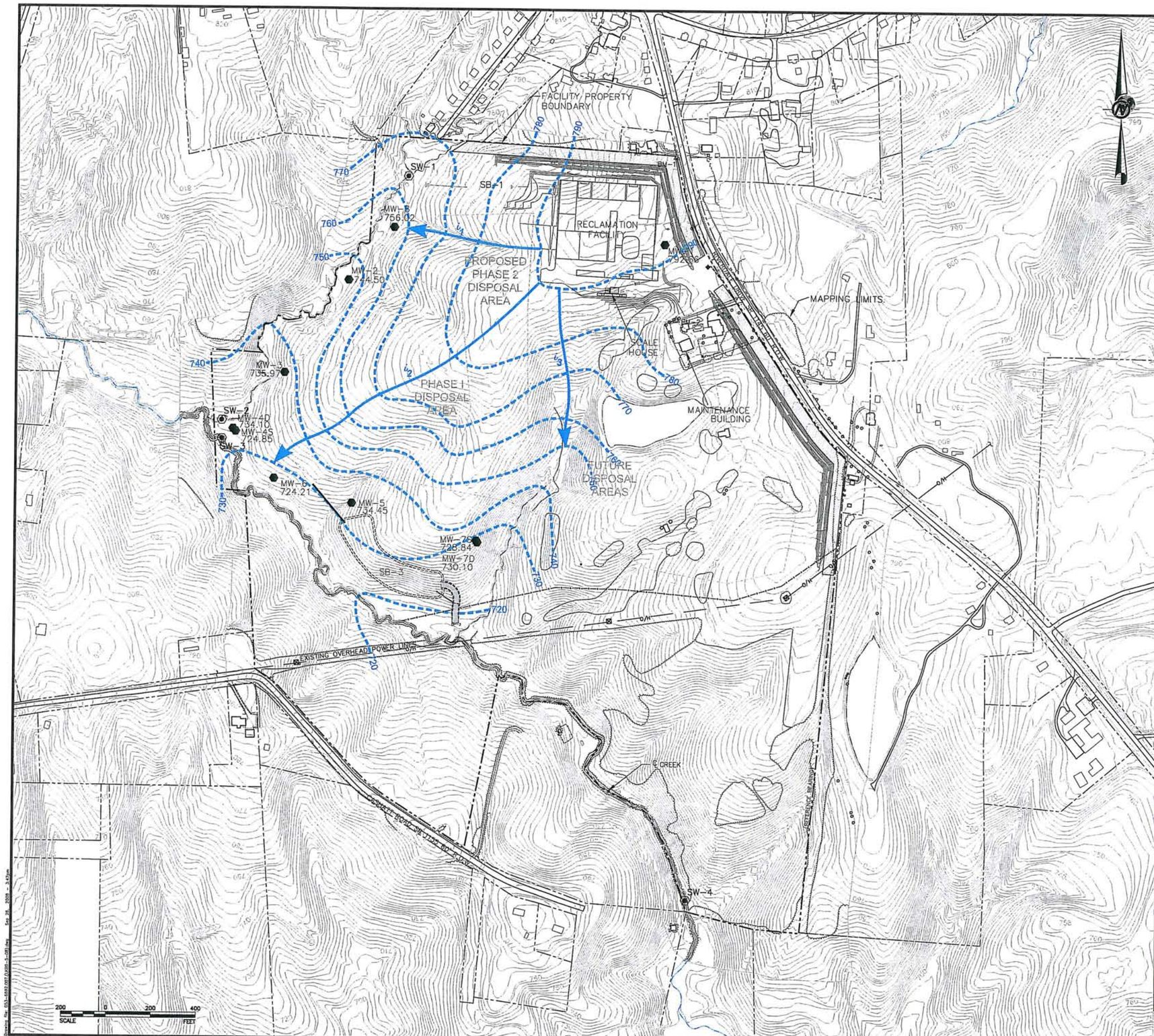
Summary of Detected Constituents in Surface Water
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	SWS Reporting Limit	Upstream		Downstream		Blanks
				SW-1	SW-3	SW-2	SW-4	
Dissolved Oxygen (Field)	mg/L	01/29/08	0.01	11.03	11.61	11.13	11.98	--
Potential (Field)	mg/L	07/17/08	0.01	dry	3.33	dry	7.08	--

Notes:

1. SW = surface water monitoring point
2. ug/L = micrograms per liter
3. J = Estimated Value
4. B = Blank-qualified data
5. S.U. = Standard Units
6. NTU = Nephelometric Turbidity Units
7. uS = microsiemens
8. ND = Not detected at or above the stated reporting limit
9. Surface Water Standards for NC Appendix I constituents based on Class C Freshwater Aquatic Life stream classification per 15A
10. * = SW Standard is an action level
11. --- = no data available
12. Shaded values are above their respective NC Surface Water Standards.
13. Blanks = Field, trip and laboratory blanks.
14. SWS Reporting Limit = NCPQL prior to 2007 and NCSWSL starting in 01/18/07
15. Data prior to 1/9/06 provided by Joyce Engineering, Inc.

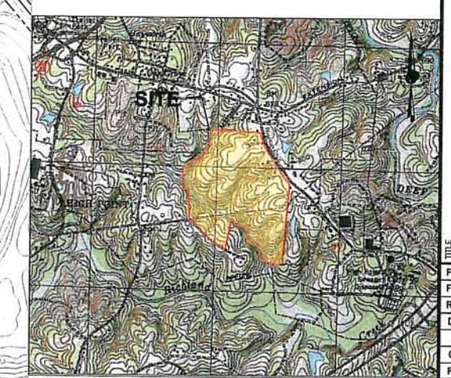
DRAWING



LEGEND

EXISTING 10 FT. CONTOUR	
EXISTING 2 FT. CONTOUR	
PROPERTY LINE	
STREAM	
TREELINE	
EXISTING ROAD	
PROPOSED OR EXISTING LIMIT OF WASTE	
MONITORING WELL LOCATION IDENTIFICATION, AND GROUNDWATER ELEVATION	MW-3 735.97
SURFACE WATER MONITORING POINT	SW-1
BENCH MARK	BM-1
SEDIMENT BASIN	SB-1
GROUNDWATER SURFACE CONTOURS	760
GROUNDWATER FLOW SEGMENT USED TO CALCULATE GRADIENT	i_1

NOTE:
1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET
2. GROUNDWATER SURFACE CONTOUR INTERVAL= 10 FEET
3. GROUNDWATER ELEVATIONS MEASURED ON JULY 17, 2008.
4. GROUNDWATER CONTOURS BASED ON LINEAR INTERPOLATION BETWEEN AND EXTRAPOLATION FROM KNOWN DATA, TOPOGRAPHIC CONTOURS, AND KNOWN FIELD CONDITIONS. THEREFORE, GROUNDWATER CONTOURS MAY NOT REFLECT ACTUAL CONDITIONS.
5. GROUNDWATER CONTOUR LINES SHOW THE WATER TABLE SHAPE AND ELEVATION. THESE CONTOURS ARE INFERRED LINES FOLLOWING THE GROUNDWATER SURFACE AT A CONSTANT ELEVATION ABOVE SEA LEVEL. THE GROUNDWATER FLOW DIRECTION IS GENERALLY PERPENDICULAR TO THE GROUNDWATER SURFACE CONTOURS, SIMILAR TO THE RELATIONSHIP BETWEEN SURFACE WATER FLOW AND TOPOGRAPHIC CONTOURS.
6. BASE DRAWING BASED ON SITE PLAN PREPARED BY JOYCE ENGINEERING, INC. DATED JULY 7, 2004.



SITE MAP

Golder Associates
GOLDER ASSOCIATES INC.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1.	08/14/07		GROUNDWATER CONTOURS	LKB	DYR	RPK

PROJECT
WCA OF HIGH POINT CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL AND RECLAMATION FACILITY
GUILFORD COUNTY, NC

TITLE
JULY 17, 2008 GROUNDWATER CONTOUR MAP

PROJECT No.	053-6692	
FILE No.	053-6692.007	
REV.	SCALE	AS SHOWN
DESIGN	DYR	01/30/07
CADD	LKB	03/07/07
CHECK		
REVIEW		

DWG.1

APPENDIX I

GROUNDWATER AND SURFACE WATER SAMPLING LOGS

Golder Associates

DATE: 7/17/2008

GROUNDWATER SAMPLING LOG

Project Name: *WCA of High Point*
Project No./Phase No.: *053-6692008.100*
Well ID: *MW-1*
Sampler(s): *C. Galie / R. Stringfellow*
Well Diameter: *2* **inches**
Int. Depth to Water: *20.51* **feet**
Depth to Bottom: *33.00* **feet**
H_20 Column Thickness: *12.49* **feet**
Pumping Rate: *200* **mL/min.**
System Volume: *1160* **mL**
Well Location: *North of Break Room, East of Reclamation Facility*
Equipment: *Horiba U-22 WQM, WL Indicator, QED MP-15 Backpack power and control box, turbidity meter*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	DTW (feet)
9:03	5.39	0.266	6.03	5.44	19.44	207	21.12
9:09	5.72	0.256	3.57	4.46	18.63	185	22.10
9:12	5.73	0.258	4.01	4.42	18.62	180	22.35
9:15	5.75	0.266	4.48	4.55	18.58	178	22.63
Sampled @ 9:15 for NC C&D Parameters							
9:24	5.70	0.266	6.26	4.71	18.64	170	23.34

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather Conditions: Temp = 62-89° F, Wind = .9-15 mph, Dew Point = 53.5-67.6° F
Weather Conditions: Avg. Hum. = 67%, Barometric Pressure = 1008 hPA, Precipitation = None

Signature: [signature] **Date:** 7/17/2008
QA/QC Sign Off: [signature] **Date:** 8/18/08

Golder Associates

DATE: 7/17/2008

GROUNDWATER SAMPLING LOG

Project Name: WCA of High Point
Project No./Phase No.: 053-6692008.100
Well ID: MW-2
Sampler(s): C. Galie / R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 10.35 feet
Depth to Bottom: 18.62 feet
H_20 Column Thickness: 8.27 feet
Pumping Rate: 150 mL/min.
System Volume: 872 mL
Well Location: On NW side of landfill at the bottom of the road bank
Equipment: Horiba U-22 WQM, WL Indicator, QED MP-15 Backpack power and control box, turbidity meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	DTW (feet)
11:14	5.86	0.479	6.98	7.11	18.37	51	10.42
11:20	5.76	0.533	3.90	1.01	17.12	2	10.17
11:24	5.75	0.534	1.99	0.73	17.26	0	10.17
11:28	5.75	0.530	1.49	0.61	17.34	-1	10.30
11:32	5.75	0.528	0.97	0.54	17.34	-1	10.19
Sampled @ 11:32 for NC C&D Parameters							
11:50	5.76	0.504	1.07	0.53	18.03	3	10.18

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather Conditions: Temp = 62-89° F, Wind = .9-15 mph, Dew Point = 53.5-67.6° F
Weather Conditions: Avg. Hum. = 67%, Barometric Pressure = 1008 hPA, Precipitation = None

Signature: [signature] **Date:** 7/17/2008
QA/QC Sign Off: [signature] **Date:** 8/8/08

DATE: 7/17/2008

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: *WCA of High Point*
Project No./Phase No.: *053-6692008.100*
Well ID: *MW-3*
Sampler(s): *C. Galie / R. Stringfellow*
Well Diameter: *2* **inches**
Int. Depth to Water: *19.51* **feet**
Depth to Bottom: *30.60* **feet**
H_20 Column Thickness: *11.09* **feet**
Pumping Rate: *150* **mL/min.**
System Volume: *1112* **mL**
Well Location: *On NW side of landfill at the bottom of the road bank*
Equipment: *Horiba U-22 WQM, WL Indicator, QED MP-15 Backpack power and control box, turbidity meter*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	DTW (feet)
12:12	6.08	0.210	1.24	4.00	17.80	89	19.97
12:19	5.90	0.132	1.69	3.85	17.36	117	20.51
12:23	5.77	0.114	0.95	4.42	16.90	135	20.82
12:27	5.70	0.109	0.91	4.63	17.39	147	21.67
12:31	5.70	0.105	1.11	4.58	17.47	151	21.92
Sampled @ 12:31 for NC C&D Parameters							
12:42	5.70	0.102	1.57	4.78	17.54	159	23.36

Comments (**weather conditions, color, type of sample, purge-water management, etc.**):
Weather Conditions: Temp = 62-89° F, Wind = .9-15 mph, Dew Point = 53.5-67.6° F
Weather Conditions: Avg. Hum. = 67%, Barometric Pressure = 1008 hPA, Precipitation = None

Signature: [signature] **Date:** 7/17/2008
QA/QC Sign Off: [signature] **Date:** 7/8/08

DATE: 7/17/2008

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: *WCA of High Point* **Project No./Phase No.:** *053-6692008.100*
Well ID: *MW-4S* **Sampler(s):** *C. Galie / R. Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *8.91* **feet**
Depth to Bottom: *22.2* **feet** **H_20 Column Thickness:** *13.29* **feet**
Pumping Rate: *200* **mL/min.** **System Volume:** *944* **mL**
Well Location: *Back in woods at SW corner of the landfill*
Equipment: *Horiba U-22 WQM, WL Indicator, QED MP-15 Backpack power and control box, turbidity meter*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	DTW (feet)
13:04	5.56	0.152	108	2.01	18.16	56	9.43
13:09	5.81	0.155	72.6	0.69	17.39	46	9.59
13:12	5.86	0.157	72.4	0.46	17.25	53	9.70
13:15	5.86	0.155	52.8	0.43	17.12	61	9.86
13:18	5.86	0.153	18.3	0.36	17.02	68	--
Sampled @ 13:18 for NC C&D Parameters							
13:31	5.84	0.153	18.3	1.21	17.42	-59	10.74

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather Conditions: Temp = 62-89° F, Wind = .9-15 mph, Dew Point = 53.5-67.6° F
Weather Conditions: Avg. Hum. = 67%, Barometric Pressure = 1008 hPA, Precipitation = None

Signature: [signature] **Date:** 7/17/2008
QA/QC Sign Off: [signature] **Date:** 8-27-08

Golder Associates

DATE: 7/17/2008

GROUNDWATER SAMPLING LOG

Project Name: *WCA of High Point*
Project No./Phase No.: *053-6692008.100*
Well ID: *MW-5*
Sampler(s): *C. Galie / R. Stringfellow*
Well Diameter: *2* inches
Int. Depth to Water: *13.38* feet
Depth to Bottom: *27.14* feet
H_20 Column Thickness: *13.76* feet
Pumping Rate: *150* mL/min.
System Volume: *1043* mL
Well Location: *Near sediment pond, south of the landfill*
Equipment: *Horiba U-22 WQM, WL Indicator, QED MP-15 Backpack power and control box, turbidity meter*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	DTW (feet)
14:52	6.25	0.610	96.1	4.30	23.61	69	13.61
14:59	6.09	0.518	85.0	2.00	19.74	95	13.73
15:03	6.06	0.512	43.8	1.96	19.67	103	13.95
15:07	6.05	0.510	45.7	1.81	19.68	106	14.01
Sampled @ 15:07 for NC C&D Parameters							
15:17	6.02	0.494	22.9	1.71	19.89	109	14.31

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather Conditions: Temp = 62-89° F, Wind = .9-15 mph, Dew Point = 53.5-67.6° F
Weather Conditions: Avg. Hum. = 67%, Barometric Pressure = 1008 hPA, Precipitation = None

Signature: [signature] **Date:** 7/17/2008
QA/QC Sign Off: [signature] **Date:** 8/8/08

DATE: 7/17/2008

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: *WCA of High Point* **Project No./Phase No.:** *053-6692008.100*
Well ID: *MW-6* **Sampler(s):** *C. Galie / R. Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *11.02* **feet**
Depth to Bottom: *18.00* **feet** **H_20 Column Thickness:** *6.98* **feet**
Pumping Rate: *150* **mL/min.** **System Volume:** *860* **mL**
Well Location: *On SW side of landfill at the bottom of the road bank*
Equipment: *Horiba U-22 WQM, WL Indicator, QED MP-15 Backpack power and control box, turbidity meter*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	DTW (feet)
14:03	6.38	0.529	6.22	5.14	21.19	57	11.82
14:09	6.17	0.396	3.21	5.41	19.87	87	12.40
14:13	5.99	0.383	2.07	5.69	19.70	105	12.81
14:17	5.89	0.383	2.74	5.52	19.84	117	13.30
14:21	5.91	0.376	2.41	5.61	20.10	122	13.78
Sampled @ 14:21 for NC C&D Parameters							
14:28	5.98	0.369	3.36	6.24	20.29	121	top

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather Conditions: Temp = 62-89° F, Wind = .9-15 mph, Dew Point = 53.5-67.6° F
Weather Conditions: Avg. Hum. = 67%, Barometric Pressure = 1008 hPA, Precipitation = None

Signature: [signature] **Date:** 7/17/2008
QA/QC Sign Off: [signature] **Date:** 8/18/08

Golder Associates

DATE: *7/17/2008*

GROUNDWATER SAMPLING LOG

Project Name: *WCA of High Point* **Project No./Phase No.:** *053-6692008.100*
Well ID: *MW-7S* **Sampler(s):** *C. Galie / R. Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *32.36* **feet**
Depth to Bottom: *47.7* **feet** **H_20 Column Thickness:** *15.34* **feet**
Pumping Rate: *150* **mL/min.** **System Volume:** *1454* **mL**
Well Location: *Down dirt road on south side of the landfill*
Equipment: *Horiba U-22 WQM, WL Indicator, QED MP-15 Backpack power and control box, turbidity meter*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	DTW (feet)
15:51	6.58	0.252	67.4	6.54	18.86	109	33.14
16:01	6.47	0.249	10.9	5.75	17.51	114	33.78
16:05	6.48	0.250	7.40	5.77	17.52	115	33.95
16:09	6.47	0.248	7.00	5.78	17.33	117	34.10
Sampled @ 16:09							
16:20	6.51	0.252	9.64	6.36	18.15	119	34.45

Comments (**weather conditions, color, type of sample, purge-water management, etc.**):
Weather Conditions: Temp = 62-89° F, Wind = .9-15 mph, Dew Point = 53.5-67.6° F
Weather Conditions: Avg. Hum. = 67%, Barometric Pressure = 1008 hPA, Precipitation = None

Signature: [signature] **Date:** 7/17/2008
QA/QC Sign Off: [signature] **Date:** 8-27-08

DATE: *7/17/2008*

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: *WCA of High Point* **Project No./Phase No.:** *053-6692008.100*
Well ID: *MW-8* **Sampler(s):** *C. Galie / R. Stringfellow*
Well Diameter: *2* **inches** **Int. Depth to Water:** *6.58* **feet**
Depth to Bottom: *28.10* **feet** **H_20 Column Thickness:** *21.52* **feet**
Pumping Rate: *150* **mL/min.** **System Volume:** *1062* **mL**
Well Location: *Back in woods at the NW corner of the landfill*
Equipment: *Horiba U-22 WQM, WL Indicator, QED MP-15 Backpack power and control box, turbidity meter*

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	DTW (feet)
10:03	6.56	0.392	16.1	3.64	17.13	148	8.81
10:10	7.15	0.381	11.0	0.77	16.67	126	10.39
Slowed Purge rate to 100 mL/min							
10:15	7.22	0.381	7.50	0.75	16.93	122	11.26
10:20	7.24	0.367	7.37	0.97	17.12	120	12.17
10:25	7.24	0.362	6.44	1.22	17.12	119	12.95
10:30	7.24	0.360	6.53	1.39	17.07	118	13.66
10:35	7.23	0.360	5.21	1.50	17.16	117	14.24
Sampled @ 10:35 for NC C&D Parameters							
10:47	7.26	0.360	4.06	1.56	17.53	113	15.92

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather Conditions: Temp = 62-89° F, Wind = .9-15 mph, Dew Point = 53.5-67.6° F
Weather Conditions: Avg. Hum. = 67%, Barometric Pressure = 1008 hPA, Precipitation = None

Signature: [signature] **Date:** 7/17/2008
QA/QC Sign Off: [signature] **Date:** 8-27-08

DATE: *7/17/2008*

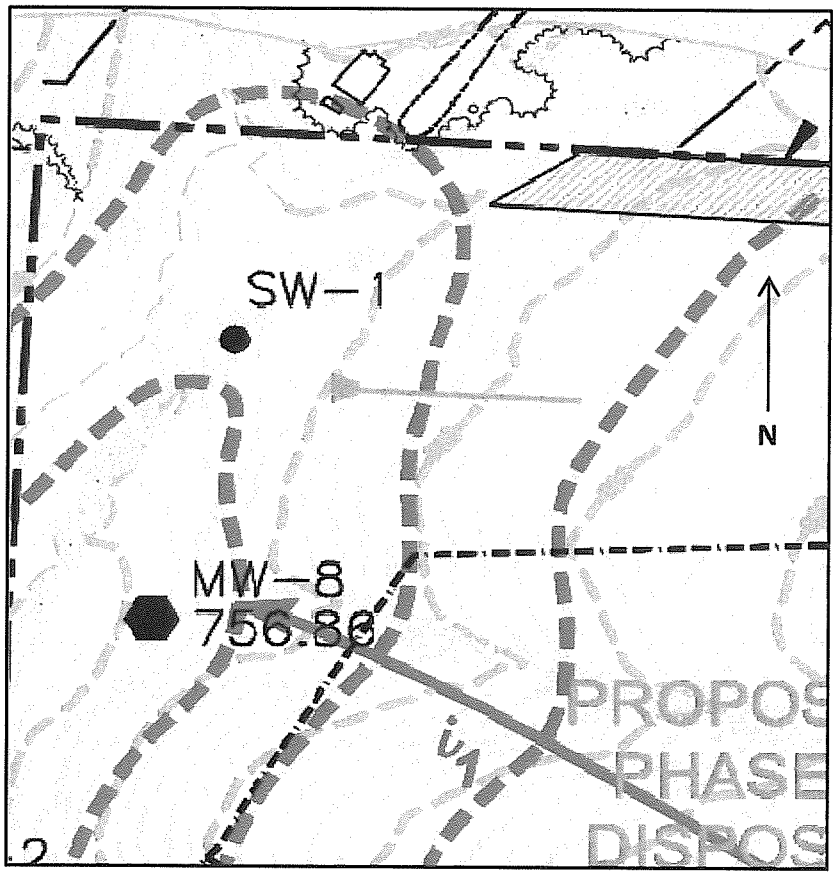
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: *WCA of High Point* **Project No./Phase No.:** *053-6692008.100*
Sample ID: *SW-1* **Sampler(s):** *C. Galie / R. Stringfellow*
Sampling Location: *Upstream of northern sediment pond discharge*
Equipment: *Horiba U-22 WQM, Dipper*

Time	16:54
pH s.u.	dry
Cond. mS/cm	dry
Turb. ntu	dry
Dis. O2 mg/L	dry
Temp. oC	dry
TDS Sal	dry
ORP mv	dry

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather Conditions: Temp = 62-89° F, Wind = .9-15 mph, Dew Point = 53.5-67.6° F
Weather Conditions: Avg. Hum. = 67%, Barometric Pressure = 1008 hPA, Precipitation = None

Signature: _____ Date: 7/17/2008
QA/QC Sign Off: _____ Date: 8/8/08

DATE: *7/17/2008*

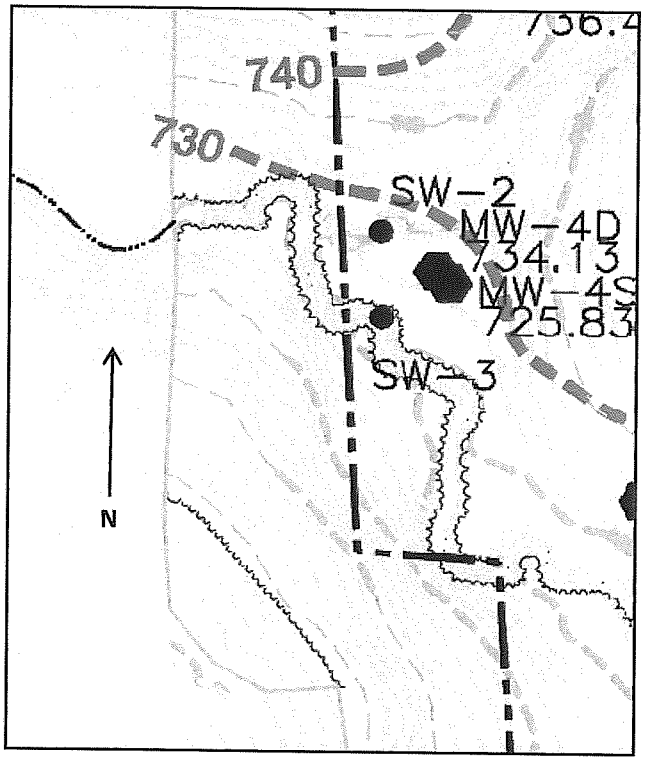
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: *WCA of High Point* **Project No./Phase No.:** *053-6692008.100*
Sample ID: *SW-2* **Sampler(s):** *C. Galie / R. Stringfellow*
Sampling Location: *At creek slightly north of MW-4D*
Equipment: *Horiba U-22 WQM, Dipper*

Time	17:09
pH s.u.	dry
Cond. mS/cm	dry
Turb. ntu	dry
Dis. O2 mg/L	dry
Temp. oC	dry
TDS Sal	dry
ORP mv	dry

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather Conditions: Temp = 62-89° F, Wind = .9-15 mph, Dew Point = 53.5-67.6° F
Weather Conditions: Avg. Hum. = 67%, Barometric Pressure = 1008 hPA, Precipitation = None

Signature: Date: 7/17/2008
QA/QC Sign Off: Date: 8/18/08

DATE: *7/17/2008*

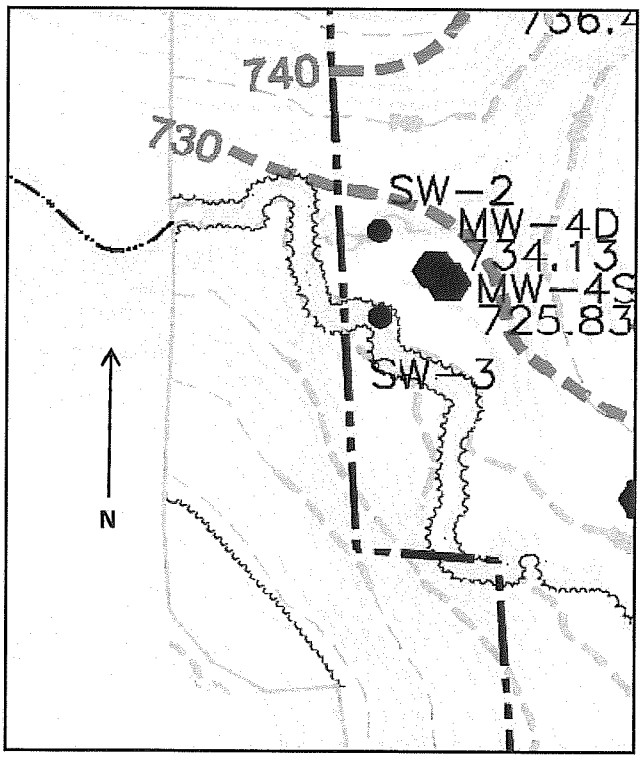
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: *WCA of High Point* **Project No./Phase No.:** *053-6692008.100*
Sample ID: *SW-3* **Sampler(s):** *C. Galie / R. Stringfellow*
Sampling Location: *At creek just south of MW-4D*
Equipment: *Horiba U-22 WQM, Dipper*

Time	17:13
pH s.u.	7.24
Cond. mS/cm	0.317
Turb. ntu	16.2
Dis. O2 mg/L	3.33
Temp. oC	20.94
TDS Sal	--
ORP mv	75

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather Conditions: Temp = 62-89° F, Wind = .9-15 mph, Dew Point = 53.5-67.6° F
Weather Conditions: Avg. Hum. = 67%, Barometric Pressure = 1008 hPA, Precipitation = None

Signature: Date: 7/17/2008
QA/QC Sign Off: Date: 8/8/09

DATE: *7/18/2008*

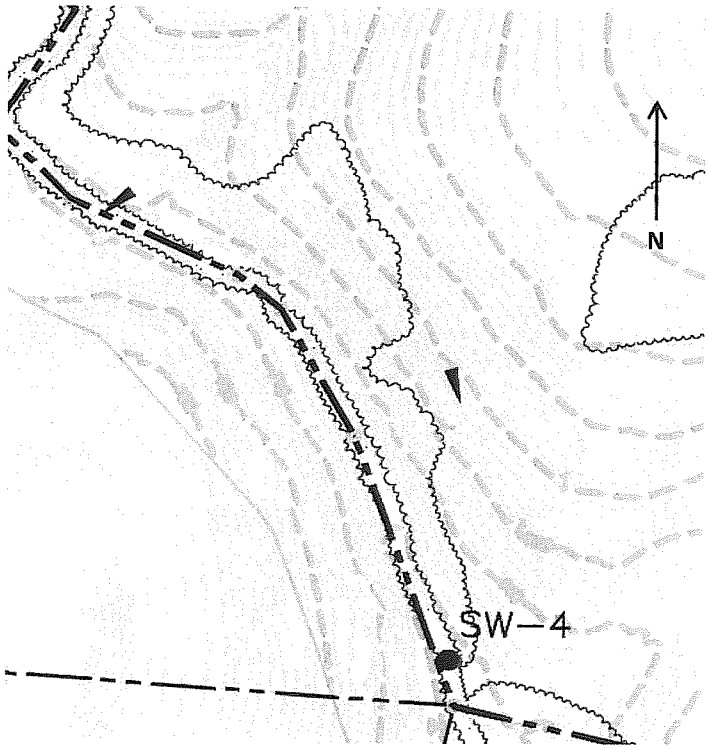
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: *WCA of High Point* **Project No./Phase No.:** *053-6692008.100*
Sample ID: *SW-4* **Sampler(s):** *C. Galie / R. Stringfellow*
Sampling Location: *At creek near the furthest southern end of the property*
Equipment: *Horiba U-22 WQM, Dipper*

Time	8:55
pH s.u.	7.20
Cond. mS/cm	0.316
Turb. ntu	17.7
Dis. O2 mg/L	7.08
Temp. oC	19.01
TDS Sal	--
ORP mv	76

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather Conditions: Temp = 62-91° F, Wind = 0-7 mph, Dew Point = 65.2° F
Weather Conditions: Avg. Hum. = 70%, Barometric Pressure = 1008.4 hPA, Precipitation = None

Signature: _____ Date: 7/17/2008
QA/QC Sign Off: _____ Date: 8/8/08

APPENDIX II

JULY 2008 CERTIFICATES-OF-ANALYSIS, CHAIN-OF-CUSTODY FORMS AND LABORATORY DATA REVIEWS

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

Thursday, July 31, 2008

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

The Wingate Building 4900 Koger Blvd., Suite 140

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 053-6692008.100, Project Name/Desc: WCA of High Point, LLC
ENCO Workorder: C807058

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, July 18, 2008.

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 50.

PROJECT NARRATIVE

Date: 31 July 2008
Client: Golder Associates
Project: WCA of High Point, LLC
Lab ID: C807058

Overview

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

Quality Control Samples

Chloride and Alkalinity were detected in the Method Blanks. Detections of these analytes in the associated samples should be considered to have a possible high bias if the concentrations are not greater than ten times that of the Method Blank detections.

Quality Control Remarks

The spike recovery of Manganese and Vanadium in the MS and MSD samples was outside of control limits. The QC batch was approved based on acceptable LCS recoveries of these analytes. The relative percent difference for Chromium was outside of control limits; however, both percent recoveries were acceptable. The QC batch was approved based on acceptable LCS recoveries and completeness of the QC data.

The surrogate spike recovery of Toluene-d8 in the 8260B analysis of MW-8 exceeded control limits, indicating a possible high bias. However, the sample was non-detect for all analytes.

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 Field Blank was not received with this work order.

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: 4116-MW1 **Lab ID:** C807058-01 **Sampled:** 07/17/08 09:15 **Received:** 07/18/08 14:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	07/24/08	07/22/08 15:00	7/28/2008 15:20
EPA 300.0	08/14/08	07/29/08 11:53	7/30/2008 02:08
EPA 310.2	07/31/08	07/23/08 08:30	7/23/2008 10:20
EPA 6010B	01/13/09	07/21/08 07:07	7/24/2008 11:26
EPA 6020	01/13/09	07/21/08 07:10	7/26/2008 11:05
EPA 7470A	08/14/08	07/22/08 07:03	7/23/2008 16:26
EPA 8260B	07/31/08	07/24/08 08:15	7/24/2008 20:06
SM4500-Cl/E	08/14/08	07/23/08 08:32	7/23/2008 09:49

Client ID: 4116-MW2 **Lab ID:** C807058-02 **Sampled:** 07/17/08 11:32 **Received:** 07/18/08 14:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	07/24/08	07/22/08 15:00	7/28/2008 15:20
EPA 300.0	08/14/08	07/29/08 11:53	7/30/2008 02:37
EPA 6010B	01/13/09	07/21/08 07:07	7/24/2008 11:03
EPA 6020	01/13/09	07/21/08 07:10	7/26/2008 10:57
EPA 7470A	08/14/08	07/22/08 07:03	7/23/2008 15:29
EPA 8260B	07/31/08	07/24/08 08:15	7/24/2008 19:37
SM4500-Cl/E	08/14/08	07/23/08 08:32	7/23/2008 09:50

Client ID: 4116-MW2 **Lab ID:** C807058-02RE1 **Sampled:** 07/17/08 11:32 **Received:** 07/18/08 14:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 310.2	07/31/08	07/23/08 08:30	7/23/2008 10:58

Client ID: 4116-MW3 **Lab ID:** C807058-03 **Sampled:** 07/17/08 12:31 **Received:** 07/18/08 14:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	07/24/08	07/22/08 15:00	7/28/2008 15:20
EPA 300.0	08/14/08	07/29/08 11:53	7/30/2008 04:06
EPA 310.2	07/31/08	07/23/08 08:30	7/23/2008 10:24
EPA 6010B	01/13/09	07/21/08 07:07	7/24/2008 11:33
EPA 6020	01/13/09	07/21/08 07:10	7/26/2008 11:08
EPA 7470A	08/14/08	07/22/08 07:03	7/23/2008 16:29
EPA 8260B	07/31/08	07/24/08 08:15	7/24/2008 20:36
SM4500-Cl/E	08/14/08	07/23/08 08:32	7/23/2008 09:52

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Client ID: 4116-MW4S	Lab ID: C807058-04	Sampled: 07/17/08 13:18	Received: 07/18/08 14:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	07/24/08	07/22/08 15:00	7/28/2008 15:20
EPA 300.0	08/14/08	07/24/08 12:58	7/24/2008 18:02
EPA 310.2	07/31/08	07/23/08 08:30	7/23/2008 10:25
EPA 6010B	01/13/09	07/21/08 07:07	7/24/2008 11:40
EPA 6020	01/13/09	07/21/08 07:10	7/26/2008 11:11
EPA 7470A	08/14/08	07/22/08 07:03	7/23/2008 16:32
EPA 8260B	07/31/08	07/24/08 08:15	7/24/2008 21:05
SM4500-Cl/E	08/14/08	07/23/08 08:32	7/23/2008 09:53

Client ID: 4116-MW5	Lab ID: C807058-05	Sampled: 07/17/08 15:07	Received: 07/18/08 14:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	07/24/08	07/22/08 15:00	7/28/2008 15:20
EPA 300.0	08/14/08	07/24/08 12:58	7/24/2008 21:59
EPA 310.2	07/31/08	07/23/08 08:30	7/23/2008 10:26
EPA 6010B	01/13/09	07/21/08 07:07	7/24/2008 11:48
EPA 6020	01/13/09	07/21/08 07:10	7/26/2008 11:13
EPA 7470A	08/14/08	07/22/08 07:03	7/23/2008 16:37
EPA 8260B	07/31/08	07/24/08 08:15	7/24/2008 21:34
SM4500-Cl/E	08/14/08	07/23/08 08:32	7/23/2008 09:53

Client ID: 4116-MW6	Lab ID: C807058-06	Sampled: 07/17/08 14:21	Received: 07/18/08 14:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	07/24/08	07/22/08 15:00	7/28/2008 15:20
EPA 300.0	08/14/08	07/24/08 12:58	7/24/2008 23:28
EPA 310.2	07/31/08	07/23/08 08:30	7/23/2008 10:27
EPA 6010B	01/13/09	07/21/08 07:07	7/24/2008 11:55
EPA 6020	01/13/09	07/21/08 07:10	7/26/2008 13:17
EPA 7470A	08/14/08	07/22/08 07:03	7/23/2008 16:40
EPA 8260B	07/31/08	07/24/08 08:15	7/24/2008 22:04
SM4500-Cl/E	08/14/08	07/23/08 08:32	7/23/2008 09:54

Client ID: 4116-MW7S	Lab ID: C807058-07	Sampled: 07/17/08 16:09	Received: 07/18/08 14:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	07/24/08	07/22/08 15:00	7/28/2008 15:20
EPA 300.0	08/14/08	07/24/08 12:58	7/24/2008 23:58
EPA 310.2	07/31/08	07/23/08 08:30	7/23/2008 10:28
EPA 6010B	01/13/09	07/21/08 07:07	7/24/2008 12:18
EPA 6020	01/13/09	07/21/08 07:10	7/26/2008 13:20
EPA 7470A	08/14/08	07/22/08 07:03	7/23/2008 16:43
EPA 8260B	07/31/08	07/24/08 08:15	7/24/2008 22:33
SM4500-Cl/E	08/14/08	07/23/08 08:32	7/23/2008 09:54

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Client ID:	4116-MW8	Lab ID:	C807058-08	Sampled:	07/17/08 10:35	Received:	07/18/08 14:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	07/24/08	07/22/08 15:00	7/28/2008 15:20
EPA 300.0	08/14/08	07/24/08 12:58	7/25/2008 00:28
EPA 310.2	07/31/08	07/23/08 08:30	7/23/2008 10:28
EPA 6010B	01/13/09	07/21/08 07:07	7/24/2008 12:25
EPA 6020	01/13/09	07/21/08 07:10	7/26/2008 13:23
EPA 7470A	08/14/08	07/22/08 07:03	7/23/2008 16:54
EPA 8260B	07/31/08	07/24/08 08:15	7/24/2008 23:02
SM4500-Cl/E	08/14/08	07/23/08 08:32	7/23/2008 09:55

Client ID:	Trip Blank	Lab ID:	C807058-10	Sampled:	07/17/08 09:15	Received:	07/18/08 14:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	07/31/08	07/24/08 08:15	7/24/2008 23:31

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4116-MW1 **Lab ID: C807058-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	102		1	1.00	10.0	100	ug/L	EPA 6010B	
Chloride	8.0	B	1	0.50	5.0	NE	mg/L	SM4500-Cl/E	J-01
Iron	161	J	1	22	50	300	ug/L	EPA 6010B	
Manganese	26.7	J	1	1.1	10.0	50	ug/L	EPA 6010B	
Nickel	2.1	J	1	1.8	10.0	50	ug/L	EPA 6010B	
Sulfate as SO4	62	J	1	0.05	5.0	250	mg/L	EPA 300.0	
Total Alkalinity	22	B	1	2.7	15	NE	mg/L	EPA 310.2	J-01
Total Dissolved Solids	220		1	10	10	NE	mg/L	EPA 160.1	
Vanadium	2.5	J	1	1.4	10.0	25	ug/L	EPA 6010B	

Client ID: 4116-MW2 **Lab ID: C807058-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	279		1	1.00	10.0	100	ug/L	EPA 6010B	
Chloride	14	B	1	0.50	5.0	NE	mg/L	SM4500-Cl/E	QB-01
Cobalt	27.6		1	1.1	10.0	10	ug/L	EPA 6010B	
Iron	10300		1	22	50	300	ug/L	EPA 6010B	
Manganese	25900		1	1.1	10.0	50	ug/L	EPA 6010B	
Sulfate as SO4	41	J	1	0.05	5.0	250	mg/L	EPA 300.0	
Thallium	0.046	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Total Dissolved Solids	270		1	10	10	NE	mg/L	EPA 160.1	

Client ID: 4116-MW2 **Lab ID: C807058-02RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Total Alkalinity	210	BD	2	5.4	30	NE	mg/L	EPA 310.2	QB-01

Client ID: 4116-MW3 **Lab ID: C807058-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	36.5	J	1	1.00	10.0	100	ug/L	EPA 6010B	
Chloride	4.3	JB	1	0.50	5.0	NE	mg/L	SM4500-Cl/E	J-01
Manganese	14.1	J	1	1.1	10.0	50	ug/L	EPA 6010B	
Sulfate as SO4	8.9	J	1	0.05	5.0	250	mg/L	EPA 300.0	
Total Alkalinity	30	B	1	2.7	15	NE	mg/L	EPA 310.2	J-01
Total Dissolved Solids	54		1	10	10	NE	mg/L	EPA 160.1	

Client ID: 4116-MW4S **Lab ID: C807058-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	52.5	J	1	1.00	10.0	100	ug/L	EPA 6010B	
Chloride	9.8	B	1	0.50	5.0	NE	mg/L	SM4500-Cl/E	J-01
Iron	1730		1	22	50	300	ug/L	EPA 6010B	
Manganese	35.8	J	1	1.1	10.0	50	ug/L	EPA 6010B	
Sulfate as SO4	23	J	1	0.05	5.0	250	mg/L	EPA 300.0	
Total Alkalinity	19	B	1	2.7	15	NE	mg/L	EPA 310.2	J-01
Total Dissolved Solids	90		1	10	10	NE	mg/L	EPA 160.1	
Vanadium	2.9	J	1	1.4	10.0	25	ug/L	EPA 6010B	

Client ID: 4116-MW5 **Lab ID: C807058-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	92.8	J	1	1.00	10.0	100	ug/L	EPA 6010B	

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Client ID: 4116-MW5						Lab ID: C807058-05			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Chloride	21	B	1	0.50	5.0	NE	mg/L	SM4500-Cl/E	QB-01
Cobalt	1.4	J	1	1.1	10.0	10	ug/L	EPA 6010B	
Iron	8620		1	22	50	300	ug/L	EPA 6010B	
Manganese	1080		1	1.1	10.0	50	ug/L	EPA 6010B	
Nickel	3.8	J	1	1.8	10.0	50	ug/L	EPA 6010B	
Sulfate as SO4	39	J	1	0.05	5.0	250	mg/L	EPA 300.0	
Total Alkalinity	180	B	1	2.7	15	NE	mg/L	EPA 310.2	QB-01
Total Dissolved Solids	280		1	10	10	NE	mg/L	EPA 160.1	

Client ID: 4116-MW6						Lab ID: C807058-06			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Barium	65.1	J	1	1.00	10.0	100	ug/L	EPA 6010B	
Chloride	14	B	1	0.50	5.0	NE	mg/L	SM4500-Cl/E	QB-01
Manganese	10.5	J	1	1.1	10.0	50	ug/L	EPA 6010B	
Sulfate as SO4	73	J	1	0.05	5.0	250	mg/L	EPA 300.0	
Total Alkalinity	68	B	1	2.7	15	NE	mg/L	EPA 310.2	QB-01
Total Dissolved Solids	220		1	10	10	NE	mg/L	EPA 160.1	
Zinc	4.2	J	1	3.8	10.0	10	ug/L	EPA 6010B	

Client ID: 4116-MW7S						Lab ID: C807058-07			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Barium	108		1	1.00	10.0	100	ug/L	EPA 6010B	
Chloride	3.9	JB	1	0.50	5.0	NE	mg/L	SM4500-Cl/E	J-01
Iron	448		1	22	50	300	ug/L	EPA 6010B	
Manganese	11.1	J	1	1.1	10.0	50	ug/L	EPA 6010B	
Nickel	2.3	J	1	1.8	10.0	50	ug/L	EPA 6010B	
Sulfate as SO4	14	J	1	0.05	5.0	250	mg/L	EPA 300.0	
Total Alkalinity	100	B	1	2.7	15	NE	mg/L	EPA 310.2	QB-01
Total Dissolved Solids	140		1	10	10	NE	mg/L	EPA 160.1	
Vanadium	11.4	J	1	1.4	10.0	25	ug/L	EPA 6010B	

Client ID: 4116-MW8						Lab ID: C807058-08			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Barium	49.2	J	1	1.00	10.0	100	ug/L	EPA 6010B	
Chloride	8.4	B	1	0.50	5.0	NE	mg/L	SM4500-Cl/E	J-01
Iron	69	J	1	22	50	300	ug/L	EPA 6010B	
Manganese	94.2		1	1.1	10.0	50	ug/L	EPA 6010B	
Sulfate as SO4	14	J	1	0.05	5.0	250	mg/L	EPA 300.0	
Total Alkalinity	150	B	1	2.7	15	NE	mg/L	EPA 310.2	QB-01
Total Dissolved Solids	190		1	10	10	NE	mg/L	EPA 160.1	

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ANALYTICAL RESULTS

Description: 4116-MW1
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-01
Sampled: 07/17/08 09:15
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	07/24/08 20:06	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	07/24/08 20:06	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	07/24/08 20:06	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 20:06	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	07/24/08 20:06	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	07/24/08 20:06	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	07/24/08 20:06	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	07/24/08 20:06	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	07/24/08 20:06	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	07/24/08 20:06	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	07/24/08 20:06	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 20:06	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	07/24/08 20:06	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	07/24/08 20:06	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	07/24/08 20:06	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 20:06	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	07/24/08 20:06	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 20:06	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	07/24/08 20:06	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	07/24/08 20:06	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	07/24/08 20:06	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	07/24/08 20:06	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	07/24/08 20:06	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	07/24/08 20:06	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	07/24/08 20:06	jkg	

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Description:	4116-MW1	**Lab Sample ID:**	C807058-01	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 09:15	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	07/24/08 20:06	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 20:06	jkg	
Xylenes (Total) [1330-20-7]	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	07/24/08 20:06	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*105 %*	*69-120*	*8G24005*	*EPA 8260B*	*07/24/08 20:06*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*61-120*	*8G24005*	*EPA 8260B*	*07/24/08 20:06*	*jkg*	
Toluene-d8	*48*	*1*	*50.0*	*95 %*	*75-99*	*8G24005*	*EPA 8260B*	*07/24/08 20:06*	*jkg*	

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Description: 4116-MW1
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-01
Sampled: 07/17/08 09:15
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	07/26/08 11:05	JDH	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	07/24/08 11:26	VLO	
Barium [7440-39-3] ^	**102**		ug/L	1	1.00	10.0	100	EPA 6010B	07/24/08 11:26	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	1	EPA 6010B	07/24/08 11:26	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	1	EPA 6010B	07/24/08 11:26	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	07/24/08 11:26	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	10	EPA 6010B	07/24/08 11:26	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010B	07/24/08 11:26	VLO	
Iron [7439-89-6] ^	**161**	J	ug/L	1	22	50	300	EPA 6010B	07/24/08 11:26	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 11:26	VLO	
Manganese [7439-96-5] ^	**26.7**	J	ug/L	1	1.1	10.0	50	EPA 6010B	07/24/08 11:26	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	07/23/08 16:26	MPL	
Nickel [7440-02-0] ^	**2.1**	J	ug/L	1	1.8	10.0	50	EPA 6010B	07/24/08 11:26	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	10	EPA 6010B	07/24/08 11:26	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 11:26	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	07/26/08 11:05	JDH	
Vanadium [7440-62-2] ^	**2.5**	J	ug/L	1	1.4	10.0	25	EPA 6010B	07/24/08 11:26	VLO	
Zinc [7440-66-6] ^	3.8	U	ug/L	1	3.8	10.0	10	EPA 6010B	07/24/08 11:26	VLO	

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Description:	4116-MW1	**Lab Sample ID:**	C807058-01	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 09:15	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**8.0**	B	mg/L	1	0.50	5.0	NE	SM4500-Cl/E	07/23/08 09:49	PEV	J-01
Sulfate as SO4 [14808-79-8] ^	**62**	J	mg/L	1	0.05	5.0	250	EPA 300.0	07/30/08 02:08	AJ	
Total Alkalinity [NA] ^	**22**	B	mg/L	1	2.7	15	NE	EPA 310.2	07/23/08 10:20	PEV	J-01
Total Dissolved Solids [NA] ^	**220**		mg/L	1	10	10	NE	EPA 160.1	07/28/08 15:20	JOC	

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

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Description: 4116-MW2
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-02
Sampled: 07/17/08 11:32
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	07/24/08 19:37	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	07/24/08 19:37	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	07/24/08 19:37	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 19:37	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	07/24/08 19:37	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	07/24/08 19:37	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	07/24/08 19:37	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	07/24/08 19:37	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	07/24/08 19:37	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	07/24/08 19:37	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	07/24/08 19:37	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 19:37	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	07/24/08 19:37	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	07/24/08 19:37	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	07/24/08 19:37	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 19:37	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	07/24/08 19:37	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 19:37	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	07/24/08 19:37	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	07/24/08 19:37	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	07/24/08 19:37	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	07/24/08 19:37	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	07/24/08 19:37	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	07/24/08 19:37	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	07/24/08 19:37	jkg	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	07/24/08 19:37	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 19:37	jkg	

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Description:	4116-MW2	**Lab Sample ID:**	C807058-02	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 11:32	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	07/24/08 19:37	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*101 %*	*69-120*	*8G24005*	*EPA 8260B*	*07/24/08 19:37*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*61-120*	*8G24005*	*EPA 8260B*	*07/24/08 19:37*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*75-99*	*8G24005*	*EPA 8260B*	*07/24/08 19:37*	*jkg*	

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Description: 4116-MW2
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-02
Sampled: 07/17/08 11:32
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	07/26/08 10:57	JDH	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	07/24/08 11:03	VLO	
Barium [7440-39-3] ^	**279**		ug/L	1	1.00	10.0	100	EPA 6010B	07/24/08 11:03	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	1	EPA 6010B	07/24/08 11:03	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	1	EPA 6010B	07/24/08 11:03	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	07/24/08 11:03	VLO	
Cobalt [7440-48-4] ^	**27.6**		ug/L	1	1.1	10.0	10	EPA 6010B	07/24/08 11:03	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010B	07/24/08 11:03	VLO	
Iron [7439-89-6] ^	**10300**		ug/L	1	22	50	300	EPA 6010B	07/24/08 11:03	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 11:03	VLO	
Manganese [7439-96-5] ^	**25900**		ug/L	1	1.1	10.0	50	EPA 6010B	07/24/08 11:03	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	07/23/08 15:29	MPL	
Nickel [7440-02-0] ^	1.8	U	ug/L	1	1.8	10.0	50	EPA 6010B	07/24/08 11:03	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	10	EPA 6010B	07/24/08 11:03	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 11:03	VLO	
Thallium [7440-28-0] ^	**0.046**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	07/26/08 10:57	JDH	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	25	EPA 6010B	07/24/08 11:03	VLO	
Zinc [7440-66-6] ^	3.8	U	ug/L	1	3.8	10.0	10	EPA 6010B	07/24/08 11:03	VLO	

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Description:	4116-MW2	**Lab Sample ID:**	C807058-02	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 11:32	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**14**	B	mg/L	1	0.50	5.0	NE	SM4500-Cl/E	07/23/08 09:50	PEV	QB-01
Sulfate as SO4 [14808-79-8] ^	**41**	J	mg/L	1	0.05	5.0	250	EPA 300.0	07/30/08 02:37	AJ	
Total Alkalinity [NA] ^	**210**	BD	mg/L	2	5.4	30	NE	EPA 310.2	07/23/08 10:58	PEV	QB-01
Total Dissolved Solids [NA] ^	**270**		mg/L	1	10	10	NE	EPA 160.1	07/28/08 15:20	JOC	

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Description: 4116-MW3
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-03
Sampled: 07/17/08 12:31
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	07/24/08 20:36	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	07/24/08 20:36	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	07/24/08 20:36	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 20:36	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	07/24/08 20:36	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	07/24/08 20:36	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	07/24/08 20:36	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	07/24/08 20:36	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	07/24/08 20:36	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	07/24/08 20:36	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	07/24/08 20:36	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 20:36	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	07/24/08 20:36	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	07/24/08 20:36	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	07/24/08 20:36	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 20:36	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	07/24/08 20:36	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 20:36	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	07/24/08 20:36	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	07/24/08 20:36	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	07/24/08 20:36	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	07/24/08 20:36	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	07/24/08 20:36	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	07/24/08 20:36	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	07/24/08 20:36	jkg	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	07/24/08 20:36	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 20:36	jkg	

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Description:	4116-MW3	**Lab Sample ID:**	C807058-03	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 12:31	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	07/24/08 20:36	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*69-120*	*8G24005*	*EPA 8260B*	*07/24/08 20:36*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*61-120*	*8G24005*	*EPA 8260B*	*07/24/08 20:36*	*jkg*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*75-99*	*8G24005*	*EPA 8260B*	*07/24/08 20:36*	*jkg*	

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Description: 4116-MW3
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-03
Sampled: 07/17/08 12:31
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	07/26/08 11:08	JDH	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	07/24/08 11:33	VLO	
Barium [7440-39-3] ^	**36.5**	J	ug/L	1	1.00	10.0	100	EPA 6010B	07/24/08 11:33	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	1	EPA 6010B	07/24/08 11:33	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	1	EPA 6010B	07/24/08 11:33	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	07/24/08 11:33	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	10	EPA 6010B	07/24/08 11:33	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010B	07/24/08 11:33	VLO	
Iron [7439-89-6] ^	22	U	ug/L	1	22	50	300	EPA 6010B	07/24/08 11:33	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 11:33	VLO	
Manganese [7439-96-5] ^	**14.1**	J	ug/L	1	1.1	10.0	50	EPA 6010B	07/24/08 11:33	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	07/23/08 16:29	MPL	
Nickel [7440-02-0] ^	1.8	U	ug/L	1	1.8	10.0	50	EPA 6010B	07/24/08 11:33	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	10	EPA 6010B	07/24/08 11:33	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 11:33	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	07/26/08 11:08	JDH	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	25	EPA 6010B	07/24/08 11:33	VLO	
Zinc [7440-66-6] ^	3.8	U	ug/L	1	3.8	10.0	10	EPA 6010B	07/24/08 11:33	VLO	

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Description:	4116-MW3	**Lab Sample ID:**	C807058-03	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 12:31	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**4.3**	JB	mg/L	1	0.50	5.0	NE	SM4500-Cl/E	07/23/08 09:52	PEV	J-01
Sulfate as SO4 [14808-79-8] ^	**8.9**	J	mg/L	1	0.05	5.0	250	EPA 300.0	07/30/08 04:06	AJ	
Total Alkalinity [NA] ^	**30**	B	mg/L	1	2.7	15	NE	EPA 310.2	07/23/08 10:24	PEV	J-01
Total Dissolved Solids [NA] ^	**54**		mg/L	1	10	10	NE	EPA 160.1	07/28/08 15:20	JOC	

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Description: 4116-MW4S
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-04
Sampled: 07/17/08 13:18
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	07/24/08 21:05	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	07/24/08 21:05	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	07/24/08 21:05	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 21:05	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	07/24/08 21:05	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	07/24/08 21:05	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	07/24/08 21:05	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	07/24/08 21:05	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	07/24/08 21:05	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	07/24/08 21:05	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	07/24/08 21:05	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 21:05	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	07/24/08 21:05	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	07/24/08 21:05	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	07/24/08 21:05	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 21:05	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	07/24/08 21:05	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 21:05	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	07/24/08 21:05	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	07/24/08 21:05	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	07/24/08 21:05	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	07/24/08 21:05	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	07/24/08 21:05	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	07/24/08 21:05	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	07/24/08 21:05	jkg	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	07/24/08 21:05	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 21:05	jkg	

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Description:	4116-MW4S	**Lab Sample ID:**	C807058-04	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 13:18	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	07/24/08 21:05	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*99 %*	*69-120*	*8G24005*	*EPA 8260B*	*07/24/08 21:05*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*61-120*	*8G24005*	*EPA 8260B*	*07/24/08 21:05*	*jkg*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*75-99*	*8G24005*	*EPA 8260B*	*07/24/08 21:05*	*jkg*	

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Description: 4116-MW4S
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-04
Sampled: 07/17/08 13:18
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	07/26/08 11:11	JDH	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	07/24/08 11:40	VLO	
Barium [7440-39-3] ^	**52.5**	J	ug/L	1	1.00	10.0	100	EPA 6010B	07/24/08 11:40	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	1	EPA 6010B	07/24/08 11:40	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	1	EPA 6010B	07/24/08 11:40	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	07/24/08 11:40	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	10	EPA 6010B	07/24/08 11:40	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010B	07/24/08 11:40	VLO	
Iron [7439-89-6] ^	**1730**		ug/L	1	22	50	300	EPA 6010B	07/24/08 11:40	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 11:40	VLO	
Manganese [7439-96-5] ^	**35.8**	J	ug/L	1	1.1	10.0	50	EPA 6010B	07/24/08 11:40	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	07/23/08 16:32	MPL	
Nickel [7440-02-0] ^	1.8	U	ug/L	1	1.8	10.0	50	EPA 6010B	07/24/08 11:40	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	10	EPA 6010B	07/24/08 11:40	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 11:40	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	07/26/08 11:11	JDH	
Vanadium [7440-62-2] ^	**2.9**	J	ug/L	1	1.4	10.0	25	EPA 6010B	07/24/08 11:40	VLO	
Zinc [7440-66-6] ^	3.8	U	ug/L	1	3.8	10.0	10	EPA 6010B	07/24/08 11:40	VLO	

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Description:	4116-MW4S	**Lab Sample ID:**	C807058-04	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 13:18	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**9.8**	B	mg/L	1	0.50	5.0	NE	SM4500-Cl/E	07/23/08 09:53	PEV	J-01
Sulfate as SO4 [14808-79-8] ^	**23**	J	mg/L	1	0.05	5.0	250	EPA 300.0	07/24/08 18:02	AJ	
Total Alkalinity [NA] ^	**19**	B	mg/L	1	2.7	15	NE	EPA 310.2	07/23/08 10:25	PEV	J-01
Total Dissolved Solids [NA] ^	**90**		mg/L	1	10	10	NE	EPA 160.1	07/28/08 15:20	JOC	

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

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Description: 4116-MW5
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-05
Sampled: 07/17/08 15:07
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	07/24/08 21:34	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	07/24/08 21:34	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	07/24/08 21:34	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 21:34	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	07/24/08 21:34	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	07/24/08 21:34	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	07/24/08 21:34	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	07/24/08 21:34	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	07/24/08 21:34	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	07/24/08 21:34	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	07/24/08 21:34	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 21:34	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	07/24/08 21:34	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	07/24/08 21:34	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	07/24/08 21:34	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 21:34	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	07/24/08 21:34	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 21:34	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	07/24/08 21:34	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	07/24/08 21:34	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	07/24/08 21:34	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	07/24/08 21:34	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	07/24/08 21:34	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	07/24/08 21:34	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	07/24/08 21:34	jkg	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	07/24/08 21:34	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 21:34	jkg	

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Description:	4116-MW5	**Lab Sample ID:**	C807058-05	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 15:07	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	07/24/08 21:34	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*69-120*	*8G24005*	*EPA 8260B*	*07/24/08 21:34*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*61-120*	*8G24005*	*EPA 8260B*	*07/24/08 21:34*	*jkg*	
Toluene-d8	*47*	*1*	*50.0*	*95 %*	*75-99*	*8G24005*	*EPA 8260B*	*07/24/08 21:34*	*jkg*	

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Description: 4116-MW5
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-05
Sampled: 07/17/08 15:07
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	07/26/08 11:13	JDH	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	07/24/08 11:48	VLO	
Barium [7440-39-3] ^	**92.8**	J	ug/L	1	1.00	10.0	100	EPA 6010B	07/24/08 11:48	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	1	EPA 6010B	07/24/08 11:48	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	1	EPA 6010B	07/24/08 11:48	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	07/24/08 11:48	VLO	
Cobalt [7440-48-4] ^	**1.4**	J	ug/L	1	1.1	10.0	10	EPA 6010B	07/24/08 11:48	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010B	07/24/08 11:48	VLO	
Iron [7439-89-6] ^	**8620**		ug/L	1	22	50	300	EPA 6010B	07/24/08 11:48	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 11:48	VLO	
Manganese [7439-96-5] ^	**1080**		ug/L	1	1.1	10.0	50	EPA 6010B	07/24/08 11:48	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	07/23/08 16:37	MPL	
Nickel [7440-02-0] ^	**3.8**	J	ug/L	1	1.8	10.0	50	EPA 6010B	07/24/08 11:48	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	10	EPA 6010B	07/24/08 11:48	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 11:48	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	07/26/08 11:13	JDH	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	25	EPA 6010B	07/24/08 11:48	VLO	
Zinc [7440-66-6] ^	3.8	U	ug/L	1	3.8	10.0	10	EPA 6010B	07/24/08 11:48	VLO	

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Description:	4116-MW5	**Lab Sample ID:**	C807058-05	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 15:07	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**21**	B	mg/L	1	0.50	5.0	NE	SM4500-Cl/E	07/23/08 09:53	PEV	QB-01
Sulfate as SO4 [14808-79-8] ^	**39**	J	mg/L	1	0.05	5.0	250	EPA 300.0	07/24/08 21:59	AJ	
Total Alkalinity [NA] ^	**180**	B	mg/L	1	2.7	15	NE	EPA 310.2	07/23/08 10:26	PEV	QB-01
Total Dissolved Solids [NA] ^	**280**		mg/L	1	10	10	NE	EPA 160.1	07/28/08 15:20	JOC	

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Description: 4116-MW6
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-06
Sampled: 07/17/08 14:21
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	07/24/08 22:04	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	07/24/08 22:04	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	07/24/08 22:04	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 22:04	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	07/24/08 22:04	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	07/24/08 22:04	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	07/24/08 22:04	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	07/24/08 22:04	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	07/24/08 22:04	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	07/24/08 22:04	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	07/24/08 22:04	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 22:04	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	07/24/08 22:04	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	07/24/08 22:04	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	07/24/08 22:04	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 22:04	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	07/24/08 22:04	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 22:04	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	07/24/08 22:04	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	07/24/08 22:04	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	07/24/08 22:04	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	07/24/08 22:04	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	07/24/08 22:04	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	07/24/08 22:04	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	07/24/08 22:04	jkg	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	07/24/08 22:04	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 22:04	jkg	

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Description:	4116-MW6	**Lab Sample ID:**	C807058-06	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 14:21	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	07/24/08 22:04	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*101 %*	*69-120*	*8G24005*	*EPA 8260B*	*07/24/08 22:04*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*87 %*	*61-120*	*8G24005*	*EPA 8260B*	*07/24/08 22:04*	*jkg*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*75-99*	*8G24005*	*EPA 8260B*	*07/24/08 22:04*	*jkg*	

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Description: 4116-MW6
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-06
Sampled: 07/17/08 14:21
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	07/26/08 13:17	JDH	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	07/24/08 11:55	VLO	
Barium [7440-39-3] ^	**65.1**	J	ug/L	1	1.00	10.0	100	EPA 6010B	07/24/08 11:55	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	1	EPA 6010B	07/24/08 11:55	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	1	EPA 6010B	07/24/08 11:55	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	07/24/08 11:55	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	10	EPA 6010B	07/24/08 11:55	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010B	07/24/08 11:55	VLO	
Iron [7439-89-6] ^	22	U	ug/L	1	22	50	300	EPA 6010B	07/24/08 11:55	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 11:55	VLO	
Manganese [7439-96-5] ^	**10.5**	J	ug/L	1	1.1	10.0	50	EPA 6010B	07/24/08 11:55	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	07/23/08 16:40	MPL	
Nickel [7440-02-0] ^	1.8	U	ug/L	1	1.8	10.0	50	EPA 6010B	07/24/08 11:55	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	10	EPA 6010B	07/24/08 11:55	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 11:55	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	07/26/08 13:17	JDH	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	25	EPA 6010B	07/24/08 11:55	VLO	
Zinc [7440-66-6] ^	**4.2**	J	ug/L	1	3.8	10.0	10	EPA 6010B	07/24/08 11:55	VLO	

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Description:	4116-MW6	**Lab Sample ID:**	C807058-06	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 14:21	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**14**	B	mg/L	1	0.50	5.0	NE	SM4500-Cl/E	07/23/08 09:54	PEV	QB-01
Sulfate as SO4 [14808-79-8] ^	**73**	J	mg/L	1	0.05	5.0	250	EPA 300.0	07/24/08 23:28	AJ	
Total Alkalinity [NA] ^	**68**	B	mg/L	1	2.7	15	NE	EPA 310.2	07/23/08 10:27	PEV	QB-01
Total Dissolved Solids [NA] ^	**220**		mg/L	1	10	10	NE	EPA 160.1	07/28/08 15:20	JOC	

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

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Description: 4116-MW7S
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-07
Sampled: 07/17/08 16:09
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	07/24/08 22:33	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	07/24/08 22:33	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	07/24/08 22:33	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 22:33	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	07/24/08 22:33	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	07/24/08 22:33	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	07/24/08 22:33	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	07/24/08 22:33	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	07/24/08 22:33	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	07/24/08 22:33	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	07/24/08 22:33	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 22:33	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	07/24/08 22:33	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	07/24/08 22:33	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	07/24/08 22:33	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 22:33	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	07/24/08 22:33	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 22:33	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	07/24/08 22:33	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	07/24/08 22:33	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	07/24/08 22:33	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	07/24/08 22:33	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	07/24/08 22:33	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	07/24/08 22:33	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	07/24/08 22:33	jkg	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	07/24/08 22:33	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 22:33	jkg	

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Description:	4116-MW7S	**Lab Sample ID:**	C807058-07	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 16:09	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	07/24/08 22:33	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*105 %*	*69-120*	*8G24005*	*EPA 8260B*	*07/24/08 22:33*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*91 %*	*61-120*	*8G24005*	*EPA 8260B*	*07/24/08 22:33*	*jkg*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*75-99*	*8G24005*	*EPA 8260B*	*07/24/08 22:33*	*jkg*	

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Description: 4116-MW7S
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-07
Sampled: 07/17/08 16:09
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	07/26/08 13:20	JDH	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	07/24/08 12:18	VLO	
Barium [7440-39-3] ^	**108**		ug/L	1	1.00	10.0	100	EPA 6010B	07/24/08 12:18	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	1	EPA 6010B	07/24/08 12:18	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	1	EPA 6010B	07/24/08 12:18	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	07/24/08 12:18	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	10	EPA 6010B	07/24/08 12:18	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010B	07/24/08 12:18	VLO	
Iron [7439-89-6] ^	**448**		ug/L	1	22	50	300	EPA 6010B	07/24/08 12:18	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 12:18	VLO	
Manganese [7439-96-5] ^	**11.1**	J	ug/L	1	1.1	10.0	50	EPA 6010B	07/24/08 12:18	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	07/23/08 16:43	MPL	
Nickel [7440-02-0] ^	**2.3**	J	ug/L	1	1.8	10.0	50	EPA 6010B	07/24/08 12:18	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	10	EPA 6010B	07/24/08 12:18	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 12:18	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	07/26/08 13:20	JDH	
Vanadium [7440-62-2] ^	**11.4**	J	ug/L	1	1.4	10.0	25	EPA 6010B	07/24/08 12:18	VLO	
Zinc [7440-66-6] ^	3.8	U	ug/L	1	3.8	10.0	10	EPA 6010B	07/24/08 12:18	VLO	

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Description:	4116-MW7S	**Lab Sample ID:**	C807058-07	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 16:09	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**3.9**	JB	mg/L	1	0.50	5.0	NE	SM4500-Cl/E	07/23/08 09:54	PEV	J-01
Sulfate as SO4 [14808-79-8] ^	**14**	J	mg/L	1	0.05	5.0	250	EPA 300.0	07/24/08 23:58	AJ	
Total Alkalinity [NA] ^	**100**	B	mg/L	1	2.7	15	NE	EPA 310.2	07/23/08 10:28	PEV	QB-01
Total Dissolved Solids [NA] ^	**140**		mg/L	1	10	10	NE	EPA 160.1	07/28/08 15:20	JOC	

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

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Description: 4116-MW8
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-08
Sampled: 07/17/08 10:35
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	07/24/08 23:02	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	07/24/08 23:02	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	07/24/08 23:02	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 23:02	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	07/24/08 23:02	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	07/24/08 23:02	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	07/24/08 23:02	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	07/24/08 23:02	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	07/24/08 23:02	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	07/24/08 23:02	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	07/24/08 23:02	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 23:02	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	07/24/08 23:02	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	07/24/08 23:02	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	07/24/08 23:02	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 23:02	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	07/24/08 23:02	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 23:02	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	07/24/08 23:02	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	07/24/08 23:02	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	07/24/08 23:02	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	07/24/08 23:02	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	07/24/08 23:02	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	07/24/08 23:02	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	07/24/08 23:02	jkg	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	07/24/08 23:02	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 23:02	jkg	

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Description:	4116-MW8	**Lab Sample ID:**	C807058-08	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 10:35	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	07/24/08 23:02	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*101 %*	*69-120*	*8G24005*	*EPA 8260B*	*07/24/08 23:02*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*89 %*	*61-120*	*8G24005*	*EPA 8260B*	*07/24/08 23:02*	*jkg*	
Toluene-d8	*51*	*1*	*50.0*	*102 %*	*75-99*	*8G24005*	*EPA 8260B*	*07/24/08 23:02*	*jkg*	*QS-03*

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Description: 4116-MW8
Matrix: Ground Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-08
Sampled: 07/17/08 10:35
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	07/26/08 13:23	JDH	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	07/24/08 12:25	VLO	
Barium [7440-39-3] ^	**49.2**	J	ug/L	1	1.00	10.0	100	EPA 6010B	07/24/08 12:25	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	1	EPA 6010B	07/24/08 12:25	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	1	EPA 6010B	07/24/08 12:25	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	07/24/08 12:25	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	10	EPA 6010B	07/24/08 12:25	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010B	07/24/08 12:25	VLO	
Iron [7439-89-6] ^	**69**	J	ug/L	1	22	50	300	EPA 6010B	07/24/08 12:25	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 12:25	VLO	
Manganese [7439-96-5] ^	**94.2**		ug/L	1	1.1	10.0	50	EPA 6010B	07/24/08 12:25	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	07/23/08 16:54	MPL	
Nickel [7440-02-0] ^	1.8	U	ug/L	1	1.8	10.0	50	EPA 6010B	07/24/08 12:25	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	10	EPA 6010B	07/24/08 12:25	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 12:25	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	07/26/08 13:23	JDH	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	25	EPA 6010B	07/24/08 12:25	VLO	
Zinc [7440-66-6] ^	3.8	U	ug/L	1	3.8	10.0	10	EPA 6010B	07/24/08 12:25	VLO	

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Description:	4116-MW8	**Lab Sample ID:**	C807058-08	**Received:**	07/18/08 14:00
Matrix:	Ground Water	**Sampled:**	07/17/08 10:35	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**8.4**	B	mg/L	1	0.50	5.0	NE	SM4500-Cl/E	07/23/08 09:55	PEV	J-01
Sulfate as SO4 [14808-79-8] ^	**14**	J	mg/L	1	0.05	5.0	250	EPA 300.0	07/25/08 00:28	AJ	
Total Alkalinity [NA] ^	**150**	B	mg/L	1	2.7	15	NE	EPA 310.2	07/23/08 10:28	PEV	QB-01
Total Dissolved Solids [NA] ^	**190**		mg/L	1	10	10	NE	EPA 160.1	07/28/08 15:20	JOC	

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Description: Trip Blank
Matrix: Water
Project: WCA of High Point, LLC

Lab Sample ID: C807058-10
Sampled: 07/17/08 09:15
Sampled By: Ryan Stringfellow

Received: 07/18/08 14:00
Work Order: C807058

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	07/24/08 23:31	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	07/24/08 23:31	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	07/24/08 23:31	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 23:31	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	07/24/08 23:31	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	07/24/08 23:31	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	07/24/08 23:31	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	07/24/08 23:31	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	07/24/08 23:31	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	07/24/08 23:31	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	07/24/08 23:31	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 23:31	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	07/24/08 23:31	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	07/24/08 23:31	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	07/24/08 23:31	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/24/08 23:31	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	07/24/08 23:31	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/24/08 23:31	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	07/24/08 23:31	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	07/24/08 23:31	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	07/24/08 23:31	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	07/24/08 23:31	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	07/24/08 23:31	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	07/24/08 23:31	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	07/24/08 23:31	jkg	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	07/24/08 23:31	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/24/08 23:31	jkg	

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Description:	Trip Blank	**Lab Sample ID:**	C807058-10	**Received:**	07/18/08 14:00
Matrix:	Water	**Sampled:**	07/17/08 09:15	**Work Order:**	C807058
Project:	WCA of High Point, LLC	**Sampled By:**	Ryan Stringfellow		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	07/24/08 23:31	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*69-120*	*8G24005*	*EPA 8260B*	*07/24/08 23:31*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*61-120*	*8G24005*	*EPA 8260B*	*07/24/08 23:31*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*91 %*	*75-99*	*8G24005*	*EPA 8260B*	*07/24/08 23:31*	*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 8G24005 - EPA 5030B_MS

Blank (8G24005-BLK1) Prepared: 07/24/2008 08:15 Analyzed: 07/24/2008 17:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.23	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
1,1-Dichloroethene	0.20	U	1.0	ug/L							
Acetone	0.62	U	5.0	ug/L							
Iodomethane	0.52	U	2.0	ug/L							
Carbon disulfide	0.40	U	5.0	ug/L							
Methylene chloride	0.24	U	1.0	ug/L							
Acrylonitrile	1.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.25	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
Vinyl acetate	0.40	U	2.0	ug/L							
2-Butanone	0.44	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.30	U	1.0	ug/L							
Bromochloromethane	0.27	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
Carbon tetrachloride	0.35	U	1.0	ug/L							
1,2-Dichloroethane	0.46	U	1.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Trichloroethene	0.25	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
Dibromomethane	0.21	U	1.0	ug/L							
Bromodichloromethane	0.20	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.24	U	1.0	ug/L							
4-Methyl-2-pentanone	0.56	U	5.0	ug/L							
Toluene	0.20	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.30	U	1.0	ug/L							
1,1,2-Trichloroethane	0.20	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
2-Hexanone	0.60	U	5.0	ug/L							
Dibromochloromethane	0.28	U	1.0	ug/L							
1,2-Dibromoethane	0.27	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.29	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Styrene	0.20	U	1.0	ug/L							
Bromoform	0.29	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,2,3-Trichloropropane	0.47	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.44	U	1.0	ug/L							
1,4-Dichlorobenzene	0.20	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*85*	*61-120*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8G24005 - EPA 5030B_MS

Blank (8G24005-BLK1) Continued Prepared: 07/24/2008 08:15 Analyzed: 07/24/2008 17:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*103*	*69-120*			

LCS (8G24005-BS1) Prepared: 07/24/2008 08:15 Analyzed: 07/24/2008 17:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		96	71-121			
Benzene	19		1.0	ug/L	20.0		97	77-128			
Trichloroethene	19		1.0	ug/L	20.0		93	79-120			
Toluene	19		1.0	ug/L	20.0		93	77-120			
Chlorobenzene	21		1.0	ug/L	20.0		106	78-120			

Matrix Spike (8G24005-MS1) Prepared: 07/24/2008 08:15 Analyzed: 07/24/2008 18:09

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.20 U	103	71-121			
Benzene	23		1.0	ug/L	20.0	0.20 U	114	77-128			
Trichloroethene	20		1.0	ug/L	20.0	0.25 U	99	79-120			
Toluene	20		1.0	ug/L	20.0	0.20 U	98	77-120			
Chlorobenzene	23		1.0	ug/L	20.0	0.27 U	114	78-120			

Matrix Spike Dup (8G24005-MSD1) Prepared: 07/24/2008 08:15 Analyzed: 07/24/2008 18:38

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.20 U	96	71-121	7	27	
Benzene	21		1.0	ug/L	20.0	0.20 U	103	77-128	10	27	
Trichloroethene	19		1.0	ug/L	20.0	0.25 U	96	79-120	3	27	
Toluene	19		1.0	ug/L	20.0	0.20 U	97	77-120	0.8	23	
Chlorobenzene	22		1.0	ug/L	20.0	0.27 U	108	78-120	6	25	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G21002 - EPA 3005A

Blank (8G21002-BLK1) Prepared: 07/21/2008 07:07 Analyzed: 07/24/2008 10:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.8	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.10	U	1.00	ug/L							
Cadmium	0.36	U	1.00	ug/L							
Chromium	1.0	U	10.0	ug/L							
Cobalt	1.1	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Iron	22	U	50	ug/L							
Lead	1.9	U	10.0	ug/L							

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G21002 - EPA 3005A

Blank (8G21002-BLK1) Continued Prepared: 07/21/2008 07:07 Analyzed: 07/24/2008 10:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Manganese	1.1	U	10.0	ug/L							
Nickel	1.8	U	10.0	ug/L							
Selenium	2.7	U	10.0	ug/L							
Silver	1.9	U	10.0	ug/L							
Vanadium	1.4	U	10.0	ug/L							
Zinc	3.8	U	10.0	ug/L							

LCS (8G21002-BS1) Prepared: 07/21/2008 07:07 Analyzed: 07/24/2008 10:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	503		10.0	ug/L	500		101	82-117			
Barium	510		10.0	ug/L	500		102	72-125			
Beryllium	258		1.00	ug/L	250		103	75-121			
Cadmium	260		1.00	ug/L	250		104	72-120			
Chromium	503		10.0	ug/L	500		101	78-119			
Cobalt	499		10.0	ug/L	500		100	76-117			
Copper	252		10.0	ug/L	250		101	80-117			
Iron	4990		50	ug/L	5000		100	84-133			
Lead	509		10.0	ug/L	500		102	72-121			
Manganese	251		10.0	ug/L	250		100	76-123			
Nickel	511		10.0	ug/L	500		102	78-116			
Selenium	516		10.0	ug/L	500		103	82-127			
Silver	49.0		10.0	ug/L	50.0		98	80-128			
Vanadium	242		10.0	ug/L	250		97	78-117			
Zinc	508		10.0	ug/L	500		102	80-120			

Matrix Spike (8G21002-MS1) Prepared: 07/21/2008 07:07 Analyzed: 07/24/2008 11:10

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	511		10.0	ug/L	500	2.8 U	102	64-126			
Barium	780		10.0	ug/L	500	279	100	74-119			
Beryllium	259		1.00	ug/L	250	0.10 U	103	70-131			
Cadmium	251		1.00	ug/L	250	0.36 U	101	68-121			
Chromium	450		10.0	ug/L	500	1.0 U	90	73-120			
Cobalt	518		10.0	ug/L	500	27.6	98	76-120			
Copper	243		10.0	ug/L	250	1.60 U	97	75-123			
Iron	15200		50	ug/L	5000	10300	98	48-144			
Lead	492		10.0	ug/L	500	1.9 U	98	68-126			
Manganese	25700		10.0	ug/L	250	25900	NR	55-146			QM-07
Nickel	499		10.0	ug/L	500	1.8 U	100	64-126			
Selenium	504		10.0	ug/L	500	2.7 U	101	65-129			
Silver	48.0		10.0	ug/L	50.0	1.9 U	96	69-121			
Vanadium	67.8		10.0	ug/L	250	1.4 U	27	71-130			QM-07
Zinc	489		10.0	ug/L	500	3.8 U	98	63-131			

Matrix Spike Dup (8G21002-MSD1) Prepared: 07/21/2008 07:07 Analyzed: 07/24/2008 11:17

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G21002 - EPA 3005A

Matrix Spike Dup (8G21002-MSD1) Continued Prepared: 07/21/2008 07:07 Analyzed: 07/24/2008 11:17

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	465		10.0	ug/L	500	2.8 U	93	64-126	9	12	
Barium	733		10.0	ug/L	500	279	91	74-119	6	11	
Beryllium	234		1.00	ug/L	250	0.10 U	94	70-131	10	21	
Cadmium	229		1.00	ug/L	250	0.36 U	91	68-121	9	12	
Chromium	405		10.0	ug/L	500	1.0 U	81	73-120	11	10	QR-02
Cobalt	471		10.0	ug/L	500	27.6	89	76-120	10	17	
Copper	220		10.0	ug/L	250	1.60 U	88	75-123	10	16	
Iron	14700		50	ug/L	5000	10300	88	48-144	3	23	
Lead	444		10.0	ug/L	500	1.9 U	89	68-126	10	19	
Manganese	25400		10.0	ug/L	250	25900	NR	55-146	1	19	QM-07
Nickel	454		10.0	ug/L	500	1.8 U	91	64-126	10	12	
Selenium	455		10.0	ug/L	500	2.7 U	91	65-129	10	10	
Silver	47.9		10.0	ug/L	50.0	1.9 U	96	69-121	0.2	12	
Vanadium	47.7		10.0	ug/L	250	1.4 U	19	71-130	35	16	QM-07, QM-11
Zinc	443		10.0	ug/L	500	3.8 U	89	63-131	10	24	

Batch 8G21003 - EPA 3005A

Blank (8G21003-BLK1) Prepared: 07/21/2008 07:10 Analyzed: 07/26/2008 10:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	1.00	U	5.00	ug/L							
Thallium	0.400	U	2.00	ug/L							

LCS (8G21003-BS1) Prepared: 07/21/2008 07:10 Analyzed: 07/26/2008 10:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.6		5.00	ug/L	25.0		98	85-115			
Thallium	23.0		2.00	ug/L	25.0		92	85-115			

Matrix Spike (8G21003-MS1) Prepared: 07/21/2008 07:10 Analyzed: 07/26/2008 10:59

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.2		5.00	ug/L	25.0	1.00 U	101	85-115			
Thallium	23.1		2.00	ug/L	25.0	0.046	92	85-115			

Matrix Spike Dup (8G21003-MSD1) Prepared: 07/21/2008 07:10 Analyzed: 07/26/2008 11:02

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.7		5.00	ug/L	25.0	1.00 U	99	85-115	2	20	
Thallium	22.1		2.00	ug/L	25.0	0.046	88	85-115	4	20	

Batch 8G22001 - EPA 7470A

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G22001 - EPA 7470A

Blank (8G22001-BLK1) Prepared: 07/22/2008 07:03 Analyzed: 07/23/2008 15:23

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

LCS (8G22001-BS1) Prepared: 07/22/2008 07:03 Analyzed: 07/23/2008 15:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.97		0.20	ug/L	5.00		99	87-123			

Matrix Spike (8G22001-MS1) Prepared: 07/22/2008 07:03 Analyzed: 07/23/2008 15:32

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.44		0.20	ug/L	5.00	0.11 U	89	63-132			

Matrix Spike Dup (8G22001-MSD1) Prepared: 07/22/2008 07:03 Analyzed: 07/23/2008 15:35

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.46		0.20	ug/L	5.00	0.11 U	89	63-132	0.4	10	

Post Spike (8G22001-PS1) Prepared: 07/22/2008 07:03 Analyzed: 07/23/2008 15:40

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.23		0.20	ug/L	5.00	-0.02	85	0-200			

Classical Chemistry Parameters - Quality Control

Batch 8G22013 - NO PREP

Blank (8G22013-BLK1) Prepared: 07/22/2008 15:00 Analyzed: 07/28/2008 15:20

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

LCS (8G22013-BS1) Prepared: 07/22/2008 15:00 Analyzed: 07/28/2008 15:20

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

Duplicate (8G22013-DUP1) Prepared: 07/22/2008 15:00 Analyzed: 07/28/2008 15:20

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	280		10	mg/L		270			7	10	

Batch 8G23008 - NO PREP

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G23008 - NO PREP

Blank (8G23008-BLK1) Prepared: 07/23/2008 08:30 Analyzed: 07/23/2008 10:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	**4.8**	**J**	15	mg/L							

LCS (8G23008-BS1) Prepared: 07/23/2008 08:30 Analyzed: 07/23/2008 10:14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	100	B	15	mg/L	100		101	80-120			

Matrix Spike (8G23008-MS1) Prepared: 07/23/2008 08:30 Analyzed: 07/23/2008 10:59

Source: C807058-02RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	510	B	15	mg/L	100	420	86	80-120			

Matrix Spike Dup (8G23008-MSD1) Prepared: 07/23/2008 08:30 Analyzed: 07/23/2008 10:59

Source: C807058-02RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	510	B	15	mg/L	100	420	88	80-120	0.5	25	

Batch 8G23009 - NO PREP

Blank (8G23009-BLK1) Prepared: 07/23/2008 08:32 Analyzed: 07/23/2008 09:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	**1.3**	**J**	5.0	mg/L							

LCS (8G23009-BS1) Prepared: 07/23/2008 08:32 Analyzed: 07/23/2008 09:44

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

Matrix Spike (8G23009-MS1) Prepared: 07/23/2008 08:32 Analyzed: 07/23/2008 09:50

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	110	B	5.0	mg/L	100	14	98	80-120			

Matrix Spike Dup (8G23009-MSD1) Prepared: 07/23/2008 08:32 Analyzed: 07/23/2008 09:51

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	110	B	5.0	mg/L	100	14	98	80-120	0.06	25	

Batch 8G24025 - NO PREP

Blank (8G24025-BLK1) Prepared: 07/24/2008 12:58 Analyzed: 07/24/2008 17:03

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G24025 - NO PREP

Blank (8G24025-BLK1) Continued Prepared: 07/24/2008 12:58 Analyzed: 07/24/2008 17:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	0.05	U	5.0	mg/L							

LCS (8G24025-BS1) Prepared: 07/24/2008 12:58 Analyzed: 07/24/2008 17:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	48		5.0	mg/L	50.0		96	90-110			

Matrix Spike (8G24025-MS1) Prepared: 07/24/2008 12:58 Analyzed: 07/24/2008 18:32

Source: C807058-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	72		5.0	mg/L	50.0	23	97	90-110			

Matrix Spike Dup (8G24025-MSD1) Prepared: 07/24/2008 12:58 Analyzed: 07/24/2008 19:01

Source: C807058-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	74		5.0	mg/L	50.0	23	101	90-110	3	10	

Batch 8G29028 - NO PREP

Blank (8G29028-BLK1) Prepared: 07/29/2008 11:53 Analyzed: 07/29/2008 22:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	0.05	U	5.0	mg/L							

LCS (8G29028-BS1) Prepared: 07/29/2008 11:53 Analyzed: 07/29/2008 22:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	49		5.0	mg/L	50.0		97	90-110			

Matrix Spike (8G29028-MS1) Prepared: 07/29/2008 11:53 Analyzed: 07/30/2008 03:07

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	91		5.0	mg/L	50.0	41	99	90-110			

Matrix Spike Dup (8G29028-MSD1) Prepared: 07/29/2008 11:53 Analyzed: 07/30/2008 03:37

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	90		5.0	mg/L	50.0	41	97	90-110	0.7	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.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
J-01	Result is estimated due to positive results in the associated method blank.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which minimizes the impact of the deviation.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QS-03	Surrogate recovery outside acceptance limits

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

Page 1 of 1

Client Name: Golder Associates, Inc. (GO007)	Project Number: 053-6692008.100
Address: The Wingate Building 4900 Koger Blvd., Suite 140	Project Name/Desc: WCA of High Point, LLC
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): ,Client Ryan Stringfellow	Billing Contact: Accounts Payable
Sampler(s) Signature: Ryan Stringfellow	Facility # (if required): 41-16

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due __/__/__

Lab Workorder: C807058

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Hg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.2,TDS 160.1	Chloride 325.3	Sulfate 300					Sample Comments
	4116-MW1	7-17-08	9:15	G	GW	5	X	X		X	X	X					
	4116-MW2	7-17-08	11:32	G	GW	8	X	X		X	X	X					
	4116-MW3	7-17-08	12:31	G	GW	5	X	X		X	X	X					
	4116-MW4S	7-17-08	13:18	G	GW	5	X	X		X	X	X					
	4116-MW5	7-17-08	15:07	G	GW	5	X	X		X	X	X					
	4116-MW6	7-17-08	14:21	G	GW	5	X	X		X	X	X					
	4116-MW7S	7-17-08	16:09	G	GW	5	X	X		X	X	X					
	4116-MW8	7-17-08	10:35	G	GW	5	X	X		X	X	X					
	Field Blank	—	—	—	WA	4	X		X								will be in SW cooler
	Trip Blank	7-17-08	—	—	WA	2	X										

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
JWL	6/24	[signature]	7-18-08 19:00	Briana Gregory	7/18/08 14:00
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments
1. Please provide a "Level 2" data report.
2. Unit rates per "Basic Ordering Agreement for Laboratory Services" dated April 7, 2004 & 2008 ENCO MSA Price List.
3. Estimated Fee = $ 1952.00 (Jun/July rates)

Cooler #'s & Temps on Receipt: C-110 3.1°C

Condition Upon Receipt: Acceptable / Unacceptable

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

LOA per Ryan Stringfellow : Ryan Stringfellow

Approved By: [signature]

WORK ORDER

Printed: 7/31/2008 2:26:47PM

C807058

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**WCA of High Point, LLC**	**Project Number:**	**053-6692008.100**
PO #:			

Report To:

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

Invoice To:

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

Received By:	Briana J Gregory	Date Received:	18-Jul-08 14:00
Logged In By:	Briana J Gregory	Date Logged In:	18-Jul-08 14:23

Work Order Comments:

C-110 received at 3.1°C

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

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

Tuesday, July 29, 2008

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

The Wingate Building 4900 Koger Blvd., Suite 140

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 053-6692008.100, Project Name/Desc: WCA of High Point, LLC- SWs
ENCO Workorder: C807059

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Saturday, July 19, 2008.

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 21.

PROJECT NARRATIVE

Date: 29 July 2008
Client: Golder Associates
Project: WCA of High Point, LLC- SWs
Lab ID: C807059

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

The spike recovery of Vanadium in the MS and MSD samples was outside of control limits. The QC batch was approved based on acceptable LCS recoveries. The relative percent difference between the MS and MSD samples for Chromium is outside of control limits; however, both recoveries were within control limits.

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. Samples SW-1 and SW-2 were not received, as the sources were dry.

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

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4116-SW3 **Lab ID:** C807059-01 **Sampled:** 07/17/08 17:13 **Received:** 07/19/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/13/09	07/21/08 07:07	7/24/2008 12:33
EPA 6020	01/13/09	07/21/08 07:10	7/26/2008 13:26
EPA 8260B	07/31/08	07/24/08 08:15	7/25/2008 02:26

Client ID: 4116-SW4 **Lab ID:** C807059-02 **Sampled:** 07/18/08 08:55 **Received:** 07/19/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/14/09	07/21/08 07:07	7/24/2008 12:40
EPA 6020	01/14/09	07/21/08 07:10	7/26/2008 13:29
EPA 8260B	08/01/08	07/25/08 14:20	7/26/2008 06:21

Client ID: FIELD BLANK **Lab ID:** C807059-03 **Sampled:** 07/18/08 09:24 **Received:** 07/19/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/14/09	07/21/08 07:07	7/24/2008 12:47
EPA 6020	01/14/09	07/21/08 07:10	7/26/2008 13:31
EPA 8260B	08/01/08	07/25/08 14:20	7/26/2008 06:50

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4116-SW3 **Lab ID:** C807059-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	67.3	J	1	1.00	10.0	100	ug/L	EPA 6010B	
Cadmium	0.40	J	1	0.36	1.00	1	ug/L	EPA 6010B	
Zinc	3.8	J	1	3.8	10.0	10	ug/L	EPA 6010B	

Client ID: 4116-SW4 **Lab ID:** C807059-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	71.9	J	1	1.00	10.0	100	ug/L	EPA 6010B	
Copper	1.90	J	1	1.60	10.0	10	ug/L	EPA 6010B	
Vanadium	1.7	J	1	1.4	10.0	25	ug/L	EPA 6010B	
Zinc	4.1	J	1	3.8	10.0	10	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: 4116-SW3
Matrix: Surface Water
Project: WCA of High Point, LLC- SWs

Lab Sample ID: C807059-01
Sampled: 07/17/08 17:13
Sampled By: Ryan Stringfellow

Received: 07/19/08 10:45
Work Order: C807059

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	07/25/08 02:26	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	07/25/08 02:26	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	07/25/08 02:26	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/25/08 02:26	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	07/25/08 02:26	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	07/25/08 02:26	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	07/25/08 02:26	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	07/25/08 02:26	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	07/25/08 02:26	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	07/25/08 02:26	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	07/25/08 02:26	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/25/08 02:26	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	07/25/08 02:26	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	07/25/08 02:26	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	07/25/08 02:26	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/25/08 02:26	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	07/25/08 02:26	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/25/08 02:26	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	07/25/08 02:26	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	07/25/08 02:26	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	07/25/08 02:26	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	07/25/08 02:26	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	07/25/08 02:26	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	07/25/08 02:26	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	07/25/08 02:26	jkg	

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Description:	4116-SW3	**Lab Sample ID:**	C807059-01	**Received:**	07/19/08 10:45
Matrix:	Surface Water	**Sampled:**	07/17/08 17:13	**Work Order:**	C807059
Project:	WCA of High Point, LLC- SWs	**Sampled By:**	Ryan Stringfellow		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	07/25/08 02:26	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/25/08 02:26	jkg	
Xylenes (Total) [1330-20-7]	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	07/25/08 02:26	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*85 %*	*69-120*	*8G24005*	*EPA 8260B*	*07/25/08 02:26*	*jkg*	
Dibromofluoromethane	*38*	*1*	*50.0*	*77 %*	*61-120*	*8G24005*	*EPA 8260B*	*07/25/08 02:26*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*75-99*	*8G24005*	*EPA 8260B*	*07/25/08 02:26*	*jkg*	

www.encolabs.com

Description: 4116-SW3
Matrix: Surface Water
Project: WCA of High Point, LLC- SWs

Lab Sample ID: C807059-01
Sampled: 07/17/08 17:13
Sampled By: Ryan Stringfellow

Received: 07/19/08 10:45
Work Order: C807059

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	07/26/08 13:26	JDH	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	07/24/08 12:33	VLO	
Barium [7440-39-3] ^	**67.3**	J	ug/L	1	1.00	10.0	100	EPA 6010B	07/24/08 12:33	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	1	EPA 6010B	07/24/08 12:33	VLO	
Cadmium [7440-43-9] ^	**0.40**	J	ug/L	1	0.36	1.00	1	EPA 6010B	07/24/08 12:33	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	07/24/08 12:33	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	10	EPA 6010B	07/24/08 12:33	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010B	07/24/08 12:33	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 12:33	VLO	
Nickel [7440-02-0] ^	1.8	U	ug/L	1	1.8	10.0	50	EPA 6010B	07/24/08 12:33	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	10	EPA 6010B	07/24/08 12:33	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 12:33	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	07/26/08 13:26	JDH	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	25	EPA 6010B	07/24/08 12:33	VLO	
Zinc [7440-66-6] ^	**3.8**	J	ug/L	1	3.8	10.0	10	EPA 6010B	07/24/08 12:33	VLO	

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

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Description: 4116-SW4
Matrix: Surface Water
Project: WCA of High Point, LLC- SWs

Lab Sample ID: C807059-02
Sampled: 07/18/08 08:55
Sampled By: Ryan Stringfellow

Received: 07/19/08 10:45
Work Order: C807059

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	07/26/08 06:21	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	07/26/08 06:21	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	07/26/08 06:21	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/26/08 06:21	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	07/26/08 06:21	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	07/26/08 06:21	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	07/26/08 06:21	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	07/26/08 06:21	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	07/26/08 06:21	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	07/26/08 06:21	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	07/26/08 06:21	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/26/08 06:21	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	07/26/08 06:21	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	07/26/08 06:21	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	07/26/08 06:21	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/26/08 06:21	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	07/26/08 06:21	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/26/08 06:21	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	07/26/08 06:21	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	07/26/08 06:21	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	07/26/08 06:21	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	07/26/08 06:21	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	07/26/08 06:21	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	07/26/08 06:21	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	07/26/08 06:21	jkg	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	07/26/08 06:21	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/26/08 06:21	jkg	

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Description:	4116-SW4	**Lab Sample ID:**	C807059-02	**Received:**	07/19/08 10:45
Matrix:	Surface Water	**Sampled:**	07/18/08 08:55	**Work Order:**	C807059
Project:	WCA of High Point, LLC- SWs	**Sampled By:**	Ryan Stringfellow		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	07/26/08 06:21	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*69-120*	*8G25026*	*EPA 8260B*	*07/26/08 06:21*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*61-120*	*8G25026*	*EPA 8260B*	*07/26/08 06:21*	*jkg*	
Toluene-d8	*48*	*1*	*50.0*	*95 %*	*75-99*	*8G25026*	*EPA 8260B*	*07/26/08 06:21*	*jkg*	

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Description: 4116-SW4
Matrix: Surface Water
Project: WCA of High Point, LLC- SWs

Lab Sample ID: C807059-02
Sampled: 07/18/08 08:55
Sampled By: Ryan Stringfellow

Received: 07/19/08 10:45
Work Order: C807059

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	07/26/08 13:29	JDH	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	07/24/08 12:40	VLO	
Barium [7440-39-3] ^	**71.9**	J	ug/L	1	1.00	10.0	100	EPA 6010B	07/24/08 12:40	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	1	EPA 6010B	07/24/08 12:40	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	1	EPA 6010B	07/24/08 12:40	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	07/24/08 12:40	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	10	EPA 6010B	07/24/08 12:40	VLO	
Copper [7440-50-8] ^	**1.90**	J	ug/L	1	1.60	10.0	10	EPA 6010B	07/24/08 12:40	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 12:40	VLO	
Nickel [7440-02-0] ^	1.8	U	ug/L	1	1.8	10.0	50	EPA 6010B	07/24/08 12:40	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	10	EPA 6010B	07/24/08 12:40	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 12:40	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	07/26/08 13:29	JDH	
Vanadium [7440-62-2] ^	**1.7**	J	ug/L	1	1.4	10.0	25	EPA 6010B	07/24/08 12:40	VLO	
Zinc [7440-66-6] ^	**4.1**	J	ug/L	1	3.8	10.0	10	EPA 6010B	07/24/08 12:40	VLO	

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

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Description: FIELD BLANK
Matrix: Surface Water
Project: WCA of High Point, LLC- SWs

Lab Sample ID: C807059-03
Sampled: 07/18/08 09:24
Sampled By: Ryan Stringfellow

Received: 07/19/08 10:45
Work Order: C807059

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	07/26/08 06:50	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	07/26/08 06:50	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	07/26/08 06:50	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/26/08 06:50	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	07/26/08 06:50	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	07/26/08 06:50	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	07/26/08 06:50	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	07/26/08 06:50	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	07/26/08 06:50	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	07/26/08 06:50	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	07/26/08 06:50	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/26/08 06:50	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	07/26/08 06:50	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	07/26/08 06:50	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	07/26/08 06:50	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	07/26/08 06:50	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	07/26/08 06:50	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	07/26/08 06:50	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	07/26/08 06:50	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	07/26/08 06:50	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	07/26/08 06:50	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	07/26/08 06:50	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	07/26/08 06:50	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	07/26/08 06:50	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	07/26/08 06:50	jkg	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	07/26/08 06:50	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	07/26/08 06:50	jkg	

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Description:	FIELD BLANK	**Lab Sample ID:**	C807059-03	**Received:**	07/19/08 10:45
Matrix:	Surface Water	**Sampled:**	07/18/08 09:24	**Work Order:**	C807059
Project:	WCA of High Point, LLC- SWs	**Sampled By:**	Ryan Stringfellow		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	07/26/08 06:50	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*69-120*	*8G25026*	*EPA 8260B*	*07/26/08 06:50*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*61-120*	*8G25026*	*EPA 8260B*	*07/26/08 06:50*	*jkg*	
Toluene-d8	*47*	*1*	*50.0*	*95 %*	*75-99*	*8G25026*	*EPA 8260B*	*07/26/08 06:50*	*jkg*	

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Description:	FIELD BLANK	**Lab Sample ID:**	C807059-03	**Received:**	07/19/08 10:45
Matrix:	Surface Water	**Sampled:**	07/18/08 09:24	**Work Order:**	C807059
Project:	WCA of High Point, LLC- SWs	**Sampled By:**	Ryan Stringfellow		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	07/26/08 13:31	JDH	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	10	EPA 6010B	07/24/08 12:47	VLO	
Barium [7440-39-3] ^	1.00	U	ug/L	1	1.00	10.0	100	EPA 6010B	07/24/08 12:47	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	1	EPA 6010B	07/24/08 12:47	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	1	EPA 6010B	07/24/08 12:47	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	07/24/08 12:47	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	10	EPA 6010B	07/24/08 12:47	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010B	07/24/08 12:47	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 12:47	VLO	
Nickel [7440-02-0] ^	1.8	U	ug/L	1	1.8	10.0	50	EPA 6010B	07/24/08 12:47	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	10	EPA 6010B	07/24/08 12:47	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	10	EPA 6010B	07/24/08 12:47	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	07/26/08 13:31	JDH	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	25	EPA 6010B	07/24/08 12:47	VLO	
Zinc [7440-66-6] ^	3.8	U	ug/L	1	3.8	10.0	10	EPA 6010B	07/24/08 12:47	VLO	

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 8G24005 - EPA 5030B_MS

Blank (8G24005-BLK1) Prepared: 07/24/2008 08:15 Analyzed: 07/24/2008 17:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.23	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
1,1-Dichloroethene	0.20	U	1.0	ug/L							
Acetone	0.62	U	5.0	ug/L							
Iodomethane	0.52	U	2.0	ug/L							
Carbon disulfide	0.40	U	5.0	ug/L							
Methylene chloride	0.24	U	1.0	ug/L							
Acrylonitrile	1.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.25	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
Vinyl acetate	0.40	U	2.0	ug/L							
2-Butanone	0.44	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.30	U	1.0	ug/L							
Bromochloromethane	0.27	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
Carbon tetrachloride	0.35	U	1.0	ug/L							
1,2-Dichloroethane	0.46	U	1.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Trichloroethene	0.25	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
Dibromomethane	0.21	U	1.0	ug/L							
Bromodichloromethane	0.20	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.24	U	1.0	ug/L							
4-Methyl-2-pentanone	0.56	U	5.0	ug/L							
Toluene	0.20	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.30	U	1.0	ug/L							
1,1,2-Trichloroethane	0.20	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
2-Hexanone	0.60	U	5.0	ug/L							
Dibromochloromethane	0.28	U	1.0	ug/L							
1,2-Dibromoethane	0.27	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.29	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Styrene	0.20	U	1.0	ug/L							
Bromoform	0.29	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,2,3-Trichloropropane	0.47	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.44	U	1.0	ug/L							
1,4-Dichlorobenzene	0.20	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*85*	*61-120*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8G24005 - EPA 5030B_MS

Blank (8G24005-BLK1) Continued Prepared: 07/24/2008 08:15 Analyzed: 07/24/2008 17:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*103*	*69-120*			

LCS (8G24005-BS1) Prepared: 07/24/2008 08:15 Analyzed: 07/24/2008 17:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		96	71-121			
Benzene	19		1.0	ug/L	20.0		97	77-128			
Trichloroethene	19		1.0	ug/L	20.0		93	79-120			
Toluene	19		1.0	ug/L	20.0		93	77-120			
Chlorobenzene	21		1.0	ug/L	20.0		106	78-120			

Matrix Spike (8G24005-MS1) Prepared: 07/24/2008 08:15 Analyzed: 07/24/2008 18:09

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.20 U	103	71-121			
Benzene	23		1.0	ug/L	20.0	0.20 U	114	77-128			
Trichloroethene	20		1.0	ug/L	20.0	0.25 U	99	79-120			
Toluene	20		1.0	ug/L	20.0	0.20 U	98	77-120			
Chlorobenzene	23		1.0	ug/L	20.0	0.27 U	114	78-120			

Matrix Spike Dup (8G24005-MSD1) Prepared: 07/24/2008 08:15 Analyzed: 07/24/2008 18:38

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.20 U	96	71-121	7	27	
Benzene	21		1.0	ug/L	20.0	0.20 U	103	77-128	10	27	
Trichloroethene	19		1.0	ug/L	20.0	0.25 U	96	79-120	3	27	
Toluene	19		1.0	ug/L	20.0	0.20 U	97	77-120	0.8	23	
Chlorobenzene	22		1.0	ug/L	20.0	0.27 U	108	78-120	6	25	

Batch 8G25026 - EPA 5030B_MS

Blank (8G25026-BLK1) Prepared: 07/25/2008 14:20 Analyzed: 07/26/2008 01:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.23	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
1,1-Dichloroethene	0.20	U	1.0	ug/L							
Acetone	0.62	U	5.0	ug/L							
Iodomethane	0.52	U	2.0	ug/L							
Carbon disulfide	0.40	U	5.0	ug/L							
Methylene chloride	0.24	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8G25026 - EPA 5030B_MS

Blank (8G25026-BLK1) Continued Prepared: 07/25/2008 14:20 Analyzed: 07/26/2008 01:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acrylonitrile	1.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.25	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
Vinyl acetate	0.40	U	2.0	ug/L							
2-Butanone	0.44	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.30	U	1.0	ug/L							
Bromochloromethane	0.27	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
Carbon tetrachloride	0.35	U	1.0	ug/L							
1,2-Dichloroethane	0.46	U	1.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Trichloroethene	0.25	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
Dibromomethane	0.21	U	1.0	ug/L							
Bromodichloromethane	0.20	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.24	U	1.0	ug/L							
4-Methyl-2-pentanone	0.56	U	5.0	ug/L							
Toluene	0.20	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.30	U	1.0	ug/L							
1,1,2-Trichloroethane	0.20	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
2-Hexanone	0.60	U	5.0	ug/L							
Dibromochloromethane	0.28	U	1.0	ug/L							
1,2-Dibromoethane	0.27	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.29	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Styrene	0.20	U	1.0	ug/L							
Bromoform	0.29	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,2,3-Trichloropropane	0.47	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.44	U	1.0	ug/L							
1,4-Dichlorobenzene	0.20	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*85*	*61-120*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*49*			*ug/L*	*50.0*		*97*	*69-120*			

LCS (8G25026-BS1) Prepared: 07/25/2008 14:20 Analyzed: 07/26/2008 02:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	16		1.0	ug/L	20.0		80	71-121			
Benzene	18		1.0	ug/L	20.0		90	77-128			
Trichloroethene	18		1.0	ug/L	20.0		88	79-120			
Toluene	17		1.0	ug/L	20.0		85	77-120			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8G25026 - EPA 5030B_MS

LCS (8G25026-BS1) Continued Prepared: 07/25/2008 14:20 Analyzed: 07/26/2008 02:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	20		1.0	ug/L	20.0		98	78-120			

Matrix Spike (8G25026-MS1) Prepared: 07/25/2008 14:20 Analyzed: 07/26/2008 02:57

Source: C807498-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.20 U	98	71-121			
Benzene	21		1.0	ug/L	20.0	0.20 U	103	77-128			
Trichloroethene	20		1.0	ug/L	20.0	0.25 U	98	79-120			
Toluene	19		1.0	ug/L	20.0	0.20 U	96	77-120			
Chlorobenzene	22		1.0	ug/L	20.0	0.27 U	108	78-120			

Matrix Spike Dup (8G25026-MSD1) Prepared: 07/25/2008 14:20 Analyzed: 07/26/2008 03:26

Source: C807498-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.20 U	104	71-121	6	27	
Benzene	23		1.0	ug/L	20.0	0.20 U	113	77-128	10	27	
Trichloroethene	21		1.0	ug/L	20.0	0.25 U	107	79-120	9	27	
Toluene	20		1.0	ug/L	20.0	0.20 U	99	77-120	3	23	
Chlorobenzene	23		1.0	ug/L	20.0	0.27 U	115	78-120	7	25	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G21002 - EPA 3005A

Blank (8G21002-BLK1) Prepared: 07/21/2008 07:07 Analyzed: 07/24/2008 10:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.8	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.10	U	1.00	ug/L							
Cadmium	0.36	U	1.00	ug/L							
Chromium	1.0	U	10.0	ug/L							
Cobalt	1.1	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	1.9	U	10.0	ug/L							
Nickel	1.8	U	10.0	ug/L							
Selenium	2.7	U	10.0	ug/L							
Silver	1.9	U	10.0	ug/L							
Vanadium	1.4	U	10.0	ug/L							
Zinc	3.8	U	10.0	ug/L							

LCS (8G21002-BS1) Prepared: 07/21/2008 07:07 Analyzed: 07/24/2008 10:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	503		10.0	ug/L	500		101	82-117			
Barium	510		10.0	ug/L	500		102	72-125			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G21002 - EPA 3005A

LCS (8G21002-BS1) Continued Prepared: 07/21/2008 07:07 Analyzed: 07/24/2008 10:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Beryllium	258		1.00	ug/L	250		103	75-121			
Cadmium	260		1.00	ug/L	250		104	72-120			
Chromium	503		10.0	ug/L	500		101	78-119			
Cobalt	499		10.0	ug/L	500		100	76-117			
Copper	252		10.0	ug/L	250		101	80-117			
Lead	509		10.0	ug/L	500		102	72-121			
Nickel	511		10.0	ug/L	500		102	78-116			
Selenium	516		10.0	ug/L	500		103	82-127			
Silver	49.0		10.0	ug/L	50.0		98	80-128			
Vanadium	242		10.0	ug/L	250		97	78-117			
Zinc	508		10.0	ug/L	500		102	80-120			

Matrix Spike (8G21002-MS1) Prepared: 07/21/2008 07:07 Analyzed: 07/24/2008 11:10

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	511		10.0	ug/L	500	2.8 U	102	64-126			
Barium	780		10.0	ug/L	500	279	100	74-119			
Beryllium	259		1.00	ug/L	250	0.10 U	103	70-131			
Cadmium	251		1.00	ug/L	250	0.36 U	101	68-121			
Chromium	450		10.0	ug/L	500	1.0 U	90	73-120			
Cobalt	518		10.0	ug/L	500	27.6	98	76-120			
Copper	243		10.0	ug/L	250	1.60 U	97	75-123			
Lead	492		10.0	ug/L	500	1.9 U	98	68-126			
Nickel	499		10.0	ug/L	500	1.8 U	100	64-126			
Selenium	504		10.0	ug/L	500	2.7 U	101	65-129			
Silver	48.0		10.0	ug/L	50.0	1.9 U	96	69-121			
Vanadium	67.8		10.0	ug/L	250	1.4 U	27	71-130			QM-07
Zinc	489		10.0	ug/L	500	3.8 U	98	63-131			

Matrix Spike Dup (8G21002-MSD1) Prepared: 07/21/2008 07:07 Analyzed: 07/24/2008 11:17

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	465		10.0	ug/L	500	2.8 U	93	64-126	9	12	
Barium	733		10.0	ug/L	500	279	91	74-119	6	11	
Beryllium	234		1.00	ug/L	250	0.10 U	94	70-131	10	21	
Cadmium	229		1.00	ug/L	250	0.36 U	91	68-121	9	12	
Chromium	405		10.0	ug/L	500	1.0 U	81	73-120	11	10	QR-02
Cobalt	471		10.0	ug/L	500	27.6	89	76-120	10	17	
Copper	220		10.0	ug/L	250	1.60 U	88	75-123	10	16	
Lead	444		10.0	ug/L	500	1.9 U	89	68-126	10	19	
Nickel	454		10.0	ug/L	500	1.8 U	91	64-126	10	12	
Selenium	455		10.0	ug/L	500	2.7 U	91	65-129	10	10	
Silver	47.9		10.0	ug/L	50.0	1.9 U	96	69-121	0.2	12	
Vanadium	47.7		10.0	ug/L	250	1.4 U	19	71-130	35	16	QM-07, QM-11
Zinc	443		10.0	ug/L	500	3.8 U	89	63-131	10	24	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G21002 - EPA 3005A

Batch 8G21003 - EPA 3005A

Blank (8G21003-BLK1) Prepared: 07/21/2008 07:10 Analyzed: 07/26/2008 10:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	1.00	U	5.00	ug/L							
Thallium	0.400	U	2.00	ug/L							

LCS (8G21003-BS1) Prepared: 07/21/2008 07:10 Analyzed: 07/26/2008 10:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.6		5.00	ug/L	25.0		98	85-115			
Thallium	23.0		2.00	ug/L	25.0		92	85-115			

Matrix Spike (8G21003-MS1) Prepared: 07/21/2008 07:10 Analyzed: 07/26/2008 10:59

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.2		5.00	ug/L	25.0	1.00 U	101	85-115			
Thallium	23.1		2.00	ug/L	25.0	0.046	92	85-115			

Matrix Spike Dup (8G21003-MSD1) Prepared: 07/21/2008 07:10 Analyzed: 07/26/2008 11:02

Source: C807058-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.7		5.00	ug/L	25.0	1.00 U	99	85-115	2	20	
Thallium	22.1		2.00	ug/L	25.0	0.046	88	85-115	4	20	

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.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

Page 1 of 1

Client Name: Golder Associates, Inc. (GO007)	Project Number: 053-6692008.100
Address: The Wingate Building 4900 Koger Blvd., Suite 140	Project Name/Desc: WCA of High Point, LLC- SWs
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info:
Tel: (336) 852-4903 / Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): Ryan Stringfellow	Billing Contact: Accounts Payable
Sampler(s) Signature: Ryan Stringfellow	Facility # (if required):

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn

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

Lab Workorder: C807059

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Sample Comments
	4116-SW1	—	—	—	SW	4	X	X	Dry, No Sample
	4116-SW2	—	—	—	SW	4	X	X	Dry, No Sample
	4116-SW3	7-17-08	17:13	G	SW	4	X	X	
	4116-SW4	7-18-08	8:55	G	SW	4	X	X	
	Field Blank	7-18-08	9:24	G	WA	4	X	X	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
DSW	6/24/08	Ryan Stringfellow	7/18/08 14:30		
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By: John Lowther	Date/Time: 7/19 1045

Comments:
1. Please provide a "Level 2" data report.
2. Unit rates per "Basic Ordering Agreement for Laboratory Services" dated April 9, 2004 & 2008 ENCO MSA Price List.
3. Estimated Fee = $560 (Jan/July rates)

Cooler #'s & Temps on Receipt: C-255 2.8

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

LOA per Ryan Stringfellow: Ryan Stringfellow

Approved By: Stephanie

WORK ORDER

Printed: 7/29/2008 9:22:02AM

C807059

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**WCA of High Point, LLC- SWs**	**Project Number:**	**053-6692008.100**
PO #:			

Report To:

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

Invoice To:

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

Received By:	John W. Lowther	Date Received:	19-Jul-08 10:45
Logged In By:	John W. Lowther	Date Logged In:	19-Jul-08 10:50

Work Order Comments:

C-255 received at 2.8°C

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

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

Project Name: WCA of High Point C&D Landfill

Project Reference Number: 053-6692008.100

Sampling Event Date: July 17-18, 2008

Review Date: August 6, 2008 *Initials:*DR

Review Date: August 7, 2008 *Initials:*RS

Report #: C807058 and C807059

Person(s) performing the review are to initial each item on this form as acknowledgement of data acceptance, or as acknowledgement of a review issue. In the case of the latter, a brief explanation should follow the applicable item.

Golder Associates Inc. has reviewed the laboratory certificates of analysis, chain-of-custody form, and laboratory provided sample group quality assurance and quality control data for the above referenced sample group to identify potential bias or inaccuracy, in general accordance with the following United States Environmental Protection Agency documents:

- Region III Modifications to Functional Guidelines for Organic Data Review Multi-Media, Multi-Concentration, September 1994;
- Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, April 1993; and
- Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, July 1998.

COMPLIANCE ANALYTE LIST(S) (check all that apply)

___ NC Closed Facility List (.500 Rules)

X NC C & D List (New Rules)

___ NC Appendix I

___ NC Appendix I + Detects

___ NC Appendix II

___ NC Subtitle D Leachate List

Other: _____

1.0 CHAIN OF CUSTODY (COC) REVIEW

DR RS COC was properly signed by all parties.

DR RS Correct project name and number are on the form.

DR RS Sample receipt condition at laboratory was acceptable.

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

Notes: _____

2.0 SAMPLE HOLDING TIMES

DR RS Holding times for extraction and/or analysis were met for each analytical Method (see below for reference).

Notes: _____

Review Criteria		
Method	**Analytes**	**Holding Time**
SW-846 Method 8260 and 8011	VOCs	14 days
SW-846 Methods 8270, 8080, 8081, 8082, and 8151	SVOCs, PCBs, pesticides and herbicides	7 days for extraction, 40 days from extraction for analysis
SW-846 Methods 6000 and 7000 Series	Metals except mercury	6 months (no temperature requirements)
SW-846 Method 7470	Mercury	28 days
SW-846 Method 376.1	Sulfide	7 days
SW-846 Method 9010	Cyanide	14 days
EPA Method 300	Nitrate/Sulfate	48 hours/28 days
EPA Method 405.1	BOD	48 hours
EPA Method 410.4	COD	28 days
EPA Method 365.4	Phosphorous	28 days

3.0 LABORATORY QUALITY CONTROL REVIEW

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

DR RS Laboratory blank is interference-free.

Alkalinity @ 4.8 mg/L (J)
Chloride @ 1.3 mg/L (J)

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

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

Toluene-d8 for MW-8 exceeded the control limit.

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

DR RS MS/MSD/LCS recoveries for each method are within the acceptable limits (i.e., at least 1 of the 3 were within range).

Chromium RPD result exceeded QC control limit.

Manganese and vanadium MS/MSD recoveries out of acceptable ranges.

Notes: _____

4.0 ANALYTE LISTS/METHODS

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

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

Notes: _____

5.0 DATA REPORTING

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

DR RS Trip, field and/or equipment, and laboratory blank results have all been reported. All detects for blanks are listed below by constituent. All laboratory method blanks, if any, have been 'flagged' with a 'B' where detected in other samples as appropriate and a laboratory narrative was provided. If the sample was flagged by the laboratory and is not within 5X of the concentration in the blank (or 10X for commonly detected laboratory contaminants-acetone, methylene chloride and phthalates), list below with explanation if flags should be removed. If flags need to be added for samples, also list below.

METHOD BLANK: Alkalinity @ 4.8 mg/L (J)
Chloride @ 1.3 mg/L (J)

DR RS It is clear from the laboratory report that samples have or have not been diluted during analysis, and if the samples have been diluted, the result is reported as a multiple of the dilution (e.g., a sample diluted 10x resulting in an analytical detection of 1.0 should be reported as 10). Those that have been diluted are listed below with the dilution factor.

MW-2: Total Alkalinity DF = 2

DR RS The report provides the reporting limit for each constituent.

DR RS The results were reported at or below their proper reporting limits (i.e., MDLs with SWSLs reported). Those that are not reported correctly are listed below (by constituent) with the proper reporting limit listed beside them. State if the reporting limit error is due to dilutions.

DR RS 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.

MW-2:	***Iron @ 10300 ug/L (NC 2L = 300 ug/L)*** ***Manganese @ 25900 ug/L (NC 2L = 50 ug/L)***
MW-4S:	***Iron @ 1730 ug/L (NC 2L = 300 ug/L)***
MW-5:	***Iron @ 8620 ug/L (NC 2L = 300 ug/L)*** ***Manganese @ 1080 ug/L (NC 2L = 50 ug/L)***
MW-7S:	***Iron @ 480 ug/L (NC 2L = 300 ug/L)*** ***Vanadium @ 11.4 ug/L (J) (GPS = 3.5 ug/L)***
MW-8:	***Manganese @ 94.2 ug/L (NC 2L = 50 ug/L)***

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

SW-3:	***Cadmium detected for first time, but at an estimated concentration.***

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

Notes: _____

APPENDIX III

STATISTICAL EVALUATION WORKSHEETS

Summary of Statistical Analysis
WCA of High Point, LLC Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

July 2008									
Detected Monitoring Constituent/Analytes	**Reporting Units**	**Statistical Evaluation Method**		**Prediction Interval**	**Downgradient Monitoring Wells and Concentrations**				
					MW-2	**MW-3**	**MW-4S**	**MW-5**	**MW-6**
Barium	ug/L	Interwell	Nonparametric Prediction Interval	141	279	36.5 J	52.5 J	92.8 J	65.1 J
		Intrawell MW-2	Nonparametric Prediction Interval	338					
Cobalt	ug/L	Interwell	Nonparametric Prediction Interval	5	27.6	ND	ND	1.4 J	ND
		Intrawell MW-2	Insufficient background data						
Iron	ug/L	Interwell	Parametric Tolerance Interval	6582	10300	ND	1730	8620	ND
Manganese	ug/L	Interwell	Parametric Tolerance Interval	104	25900	14.1 J	35.8 J	1080	10.5 J
		Intrawell MW-2	Insufficient background data						
		Intrawell MW-5	Insufficient background data						

Notes:

1. Shaded values represent apparent statistical significant increases (SSIs) over background concentrations.
2. Statistical worksheets are provided in Appendix III.
3. ug/L = micrograms per liter
4. J = estimated concentration below the Solid Waste Section Limit
5. ND = not detected at or above the laboratory detection limit
6. The concentrations of cobalt in MW-2 and iron and manganese in MW-2 and MW-5 were unconfirmed SSIs during the July 2008 sampling event.

Project Name: WCA of High Point C&D LF
Project No: 053-6692008.100
Date: 8/8/08

Analyte: Barium

Sample No.	Sample Date	Location	Concentration (ug/L)	Quantitation Limit (ug/L)
1	10/8/2003	MW-1	ND	500
2	1/23/2004	MW-1	ND	500
3	7/8/2004	MW-1	ND	500
4	1/25/2005	MW-1	ND	500
5	7/6/2005	MW-1	ND	50
6	1/9/2006	MW-1	ND	500
7	7/12/2006	MW-1	ND	500
8	1/16/2007	MW-1	141	100
9	7/2/2007	MW-1	137	100
10	1/30/2008	MW-1	100	100
11	7/17/2008	MW-1	102	100

Number of Data	11
Number of Truncated Data	7
Percentage of Truncated Data	64%

Nonparametric Prediction Interval: **141** ug/L

Project Name: WCA of High Point C&D LF
Project No: 053-6692008.100
Date: 8/8/08

Analyte: Barium (Intrawell MW-2)

Sample No.	Sample Date	Location	Concentration (ug/L)	Quantitation Limit (ug/L)
1	10/8/2003	MW-2	ND	500
2	1/23/2004	MW-2	ND	500
3	7/8/2004	MW-2	ND	500
4	1/25/2005	MW-2	ND	500
5	7/6/2005	MW-2	ND	50
6	1/9/2006	MW-2	ND	500
7	7/12/2006	MW-2	ND	500
8	1/16/2007	MW-2	187	100
9	7/2/2007	MW-2	338	100
10	1/30/2008	MW-2	190	100

Number of Data	10
Number of Truncated Data	7
Percentage of Truncated Data	70%

Nonparametric Prediction Interval: **338** ug/L

Project Name: WCA of High Point C&D LF
Project No: 053-6692008.100
Date: 8/8/08

Analyte: Cobalt

Sample No.	Sample Date	Location	Concentration (ug/L)	1/2 Quantitation Limit (ug/L)	Quantitation Limit (ug/L)
1	1/16/2007	MW-1	ND	5	10
2	7/2/2007	MW-1	ND	5	10
3	1/30/2008	MW-1	ND	5	10
4	7/17/2008	MW-1	ND	5	10

Number of Data	4
Number of Truncated Data	4
Percentage of Truncated Data	100%

Nonparametric Prediction Interval: **5.00** ug/L

Project Name: WCA of High Point, LLC C&D Landfill
Project No: 053-6692008.100
Date: 8/8/08

Analyte: Iron

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	01/16/07	MW-1	2530		50
2	07/02/07	MW-1	1510		50
3	01/30/08	MW-1	533		50
4	07/17/08	MW-1	161	J	50

Number of Data	4
Number of Truncated Data	0
Percentage of Truncated Data	0%

Upper Prediction Interval: **6582** ug/L

Project Name: WCA of High Point, LLC C&D Landfill
Project No: 053-6692008.100
Date: 8/8/08

Probability Plots to determine the distribution of Iron

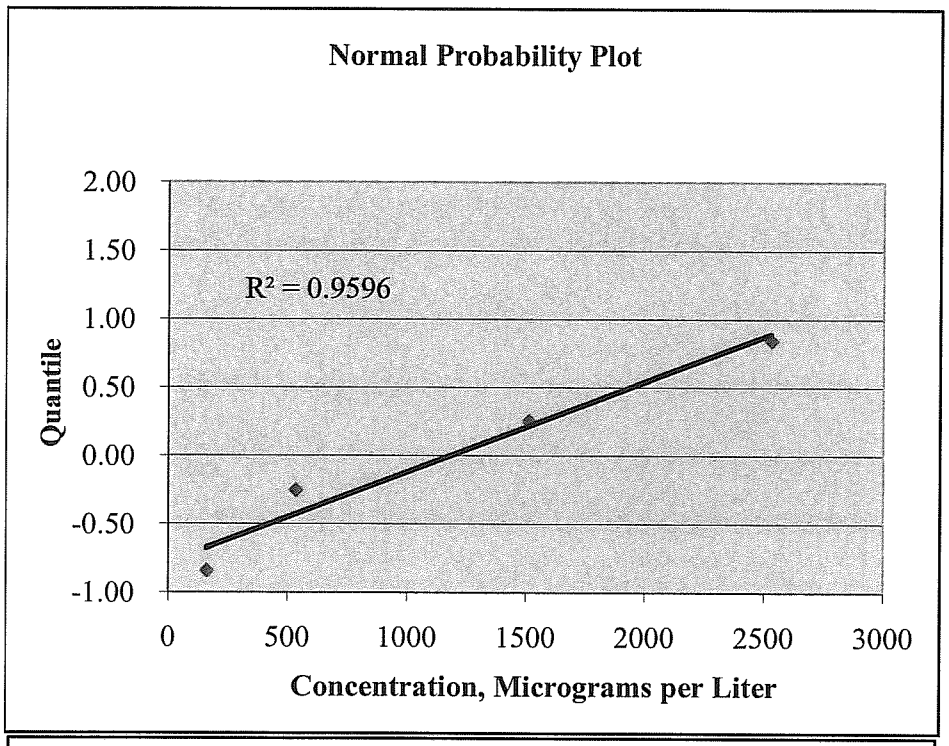
Complete the following table where:

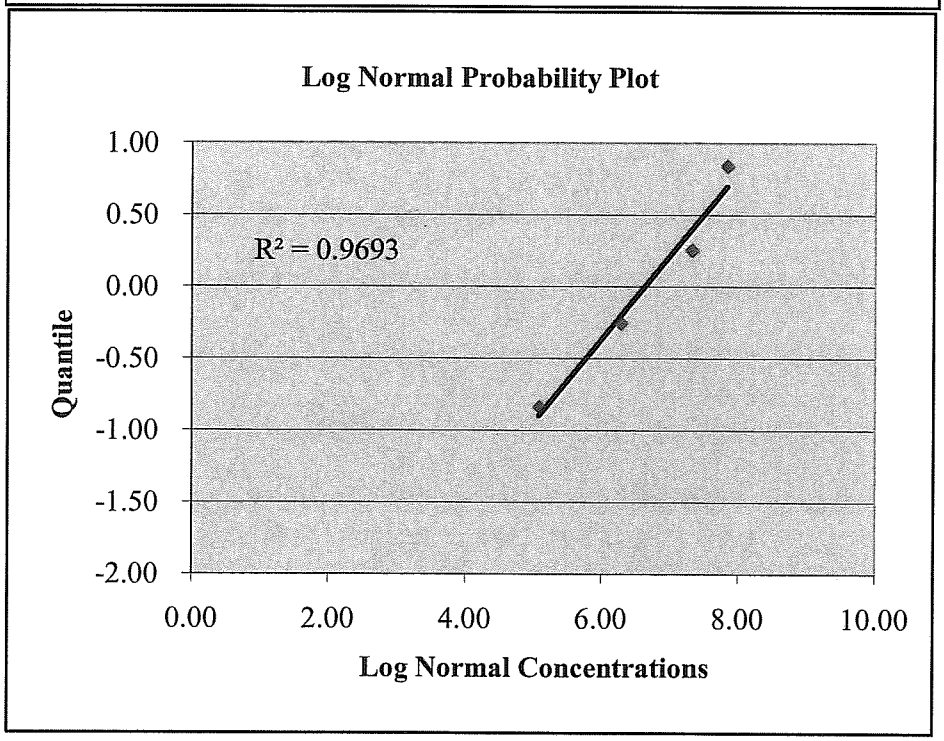
i = ordered value of sample, arranged from smallest to largest
X(i) = sample values arranged from smallest to largest
LN[X(i)] = Natural Log Value of sample concentrations arranged from smallest to largest
[i/(n+1)] = Cumulative probability
n = number of samples = 4

X(i)	LN[X(i)]	i	Rank	[Rank/(n+1)]	Quantiles
161	5.08	1	1	0.200	-0.84
533	6.28	2	2	0.400	-0.25
1510	7.32	3	3	0.600	0.25
2530	7.84	4	4	0.800	0.84

Project Name: WCA of High Point, LLC C&D l
Project No: 053-6692008.100
Date: 08/08/08

Probability Plots to determine the distribution of Iron





Project Name: WCA of High Point, LLC C&D Landfill
Project No: 053-6692008.100
Date: 8/8/08

Determination of reported background value as an outlier

Analyte: Iron

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)		Quantitation Limit (ug/l)
1	1/16/07	MW-1	2530		50
2	7/2/07	MW-1	1510		50
3	1/30/08	MW-1	533		50
4	7/17/08	MW-1	161	J	50

mean = 1183.500
STD = 1062.751

Note: All concentrations are micrograms per liter

Using the data listed above, form the statisitc Tn:

Tn = (Xn - mean) / STD

where:
Xn = largest observed sample value
mean = mean of the background values
STD = standard deviation of the background values

For
Xn = 2530.000
mean = 1183.500
STD = 1062.751

Tn = 1.267

From Table 8 included in the Staistical Analysis of Groundwater Monitoring Data at RCRA Facilities - Interim Final Guidance, the critical value for the given sample group is

Number of samples = 4
Tc = 1.463

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

Project Name: WCA of High Point, LLC C&D Landfill
Project No: 053-6692008.100
Date: 8/8/08

Shapiro Wilk Test Statistic (W) for normality of total Iron

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	161.00	2530.00	2369	0.6872	1627.98
2	533.00	1510.00	977	0.1677	163.84
3	1510.00	533.00			
4	2530.00	161.00			

The test statistic W can be found using:

W = SQR[B/(SD x SQRT(n-1))]

where:

B =	summation of (X(n-i+1)-X(i))A(n-i+1)	=	1791.82
SD =	standard deviation of the data group	=	1062.75
n =	number of samples	=	4

W = 0.948

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) = 0.748
and the calculated W = 0.948

Therefore the data set is Normal

Project Name: WCA of High Point, LLC C&D Landfill
Project No: 053-6692008.100
Date: 8/8/08

Parametric Prediction Interval for normally distributed data

Analyte: Iron

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)	Quantitation Limit (ug/l)
1	1/16/07	MW-1	2530	50.00
2	7/2/07	MW-1	1510	50.00
3	1/30/08	MW-1	533	50.00
4	7/17/08	MW-1	161	50.00

Note: All sample concentrations are micrograms per liter

Using the background data, the upper Prediction Limit can be determined using:

Upper Prediction Limit = (Mean Conc) + t(n-1,k,.95) x (Std Dev) x SQRT(1/m+1/n)

where:
Mean Conc = mean concentration background samples
t(n-1k,.95) = Bonferroni t-statistic with
n-1 = degrees of freedom (number of samples - 1)
k = number of downgradient samples per event
.95 = confidence interval
Std Dev = standard deviation of background samples
m = number independent samples from each sampling point
n = number of background samples

For:
Mean Conc = 1183.500
Std Dev = 1062.751
t(n-1,k,.95)*sqrt(1/m+1/n) = 5.080
k = 5
m = 1
n = 4

UPL = 6582 ug/L

Project Name: WCA of High Point, LLC C&D Landfill
Project No: 053-6692008.100
Date: 8/8/08

Parametric Tolerance Interval for normally distributed data

Analyte: Iron

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)	Quantitation Limit (ug/l)
1	1/16/07	MW-1	2530	50.00
2	7/2/07	MW-1	1510	50.00
3	1/30/08	MW-1	533	50.00
4	7/17/08	MW-1	161	50.00

Note: All sample concentrations are micrograms per liter

Using the background data, the upper Tolerance Limit can be determined using:

Upper Tolerance Limit = (Mean Concentration) + K x (Standard Deviation Samples)

where: Mean Conc = mean concentration background samples
K = factor for constructing one sided normal tolerance limit taken from table 4-2, page 87, Statistical Methods for Groundwater Monitoring, Gibbons, 1994
n = number of background samples
STDS = Standard Deviation Samples

For:

n =	4
K =	5.144
Mean Conc =	1183.50
STDS =	1062.75

UTL = 6650 ug/L

Project Name: WCA of High Point, LLC C&D Landfill
Project No: 053-6692008.100
Date: 8/8/08

Analyte: Manganese

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	01/16/07	MW-1	50.6		10
2	07/02/07	MW-1	30.6	J	10
3	01/30/08	MW-1	16.1	J	10
4	07/17/08	MW-1	26.7	J	10

Number of Data	4
Number of Truncated Data	0
Percentage of Truncated Data	0%

Upper Prediction Interval: **104** ug/L

Project Name: WCA of High Point, LLC C&D Landfill
Project No: 053-6692008.100
Date: 8/8/08

Probability Plots to determine the distribution of Manganese

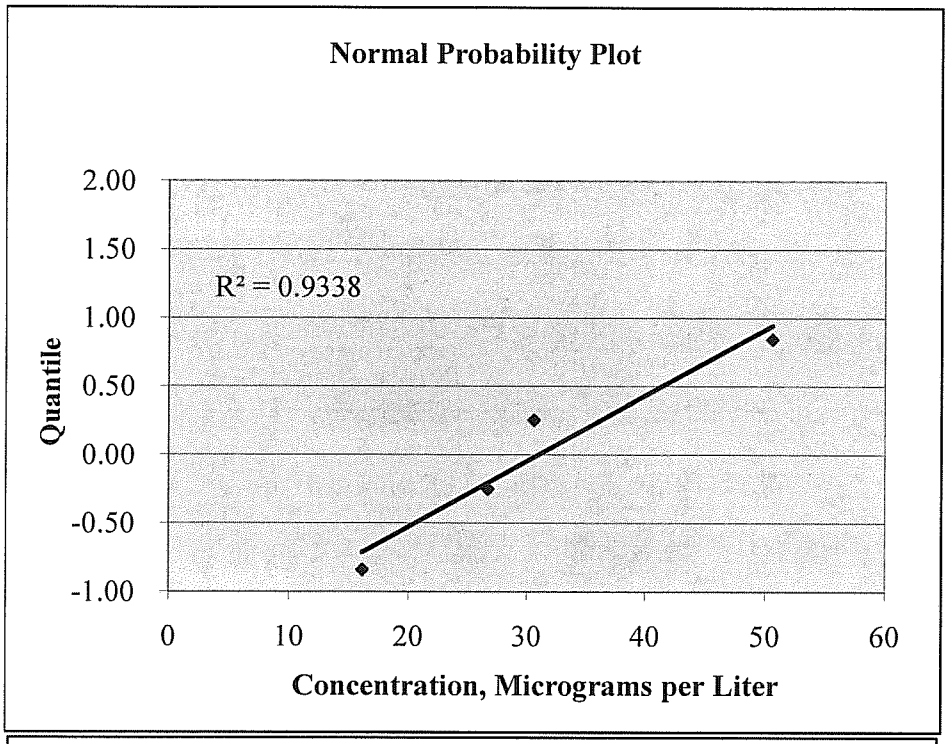
Complete the following table where:

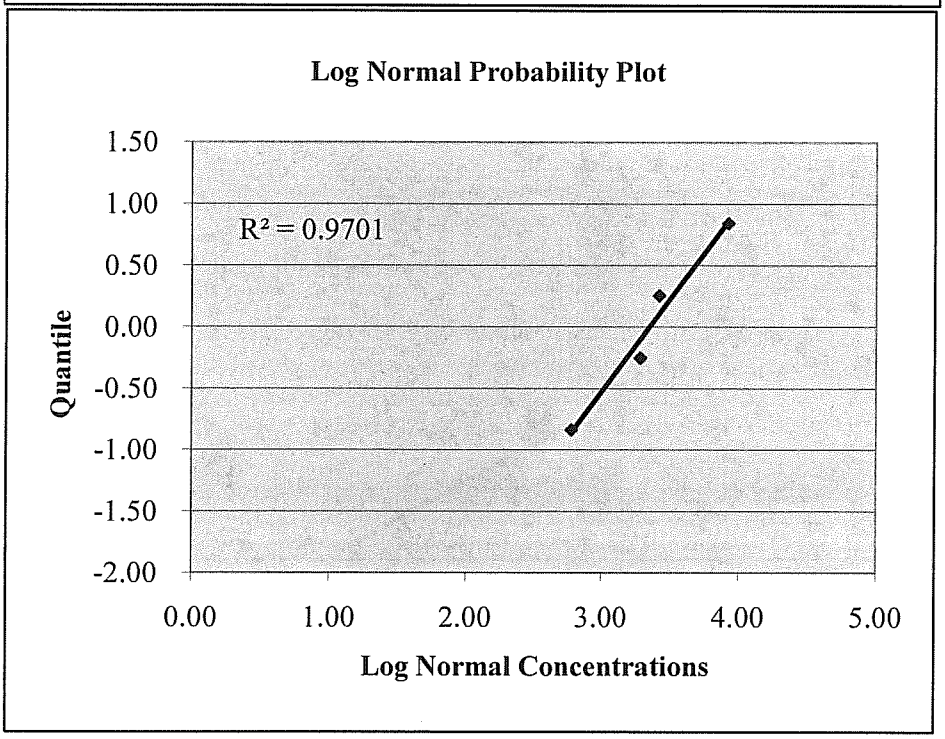
i = ordered value of sample, arranged from smallest to largest
X(i) = sample values arranged from smallest to largest
LN[X(i)] = Natural Log Value of sample concentrations arranged from smallest to largest
[i/(n+1)] = Cumulative probability
n = number of samples = 4

X(i)	LN[X(i)]	i	Rank	[Rank/(n+1)]	Quantiles
16.1	2.78	1	1	0.200	-0.84
26.7	3.28	2	2	0.400	-0.25
30.6	3.42	3	3	0.600	0.25
50.6	3.92	4	4	0.800	0.84

Project Name: WCA of High Point, LLC C&D
Project No: 053-6692008.100
Date: 08/08/08

Probability Plots to determine the distribution of Manganese





Project Name: WCA of High Point, LLC C&D Landfill
Project No: 053-6692008.100
Date: 8/8/08

Determination of reported background value as an outlier

Analyte: Manganese

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)		Quantitation Limit (ug/l)
1	1/16/07	MW-1	50.6		10
2	7/2/07	MW-1	30.6	J	10
3	1/30/08	MW-1	16.1	J	10
4	7/17/08	MW-1	26.7	J	10

mean = 31.000
STD = 14.432

Note: All concentrations are micrograms per liter

Using the data listed above, form the statisitc Tn:

Tn = (Xn - mean) / STD

where:
Xn = largest observed sample value
mean = mean of the background values
STD = standard deviation of the background values

For
Xn = 50.600
mean = 31.000
STD = 14.432

Tn = 1.358

From Table 8 included in the Staistical Analysis of Groundwater Monitoring Data at RCRA Facilities - Interim Final Guidance, the critical value for the given sample group is

Number of samples = 4
Tc = 1.463

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

Project Name: WCA of High Point, LLC C&D Landfill
Project No: 053-6692008.100
Date: 8/8/08

Shapiro Wilk Test Statistic (W) for normality of total Manganese

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	16.10	50.60	34.5	0.6872	23.71
2	26.70	30.60	3.9	0.1677	0.65
3	30.60	26.70			
4	50.60	16.10			

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)	=	24.36
SD =	standard deviation of the data group	=	14.43
n =	number of samples	=	4

W = 0.950

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) = 0.748
and the calculated W = 0.950

Therefore the data set is Normal

Project Name: WCA of High Point, LLC C&D Landfill
Project No: 053-6692008.100
Date: 8/8/08

Parametric Prediction Interval for normally distributed data

Analyte: Manganese

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)	Quantitation Limit (ug/l)
1	1/16/07	MW-1	50.6	10.00
2	7/2/07	MW-1	30.6	10.00
3	1/30/08	MW-1	16.1	10.00
4	7/17/08	MW-1	26.7	10.00

Note: All sample concentrations are micrograms per liter

Using the background data, the upper Prediction Limit can be determined using:

Upper Prediction Limit = (Mean Conc) + t(n-1,k,.95) x (Std Dev) x SQRT(1/m+1/n)

where:
Mean Conc = mean concentration background samples
t(n-1k,.95) = Bonferroni t-statistic with
n-1 = degrees of freedom (number of samples - 1)
k = number of downgradient samples per event
.95 = confidence interval
Std Dev = standard deviation of background samples
m = number independent samples from each sampling point
n = number of background samples

For:
Mean Conc = 31.000
Std Dev = 14.432
t(n-1,k,.95)*sqrt(1/m+1/n) = 5.080
k = 5
m = 1
n = 4

UPL = 104 ug/L

Project Name: WCA of High Point, LLC C&D Landfill
Project No: 053-6692008.100
Date: 8/8/08

Parametric Tolerance Interval for normally distributed data

Analyte: Manganese

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)	Quantitation Limit (ug/l)
1	1/16/07	MW-1	50.6	10.00
2	7/2/07	MW-1	30.6	10.00
3	1/30/08	MW-1	16.1	10.00
4	7/17/08	MW-1	26.7	10.00

Note: All sample concentrations are micrograms per liter

Using the background data, the upper Tolerance Limit can be determined using:

Upper Tolerance Limit = (Mean Concentration) + K x (Standard Deviation Samples)

where:
Mean Conc = mean concentration background samples
K = factor for constructing one sided normal tolerance limit taken from table 4-2, page 87, Statistical Methods for Groundwater Monitoring, Gibbons, 1994
n = number of background samples
STDS = Standard Deviation Samples

For:
n = 4
K = 5.144
Mean Conc = 31.00
STDS = 14.43

UTL = 105 ug/L

APPENDIX IV

GROUNDWATER MONITORING WELL MAINTENANCE RECORDS

Golder Associates

WELL CONDITION SUMMARY

DATE: 7/17/2008

Project Name WCA High Point

Personnel R. Stringfellow / C. Gaile

Project No./Task No. 053-6692008.100

Page 1 of 1

Well ID	Protective Casing	Well Casing	Label	Lock	Pad Condition	Depth of Well (Feet)	General Turbudity	Comments/ Observations*
MW-1	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	33.00	☑ Clear ☐ Turbid	
MW-8	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	28.10	☑ Clear ☐ Turbid	Lock Replaced
MW-2	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	18.62	☑ Clear ☐ Turbid	
MW-3	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☐ OK ☑ Damaged	30.60	☑ Clear ☐ Turbid	Ponding water on deteriorating pad
MW-4S	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	22.2	☑ Clear ☐ Turbid	
MW-6	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	18.00	☑ Clear ☐ Turbid	
MW-5	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	27.14	☑ Clear ☐ Turbid	
MW-7S	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	47.7	☑ Clear ☐ Turbid	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	

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

Signature: [signature] Date: 8/7/2008

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: *WCA of High Point C&D LF* **PERMIT NO.:** *41-16*

LOCATION: *MW-1* **DATE:** *July 17, 2008*

INSPECTOR: *R. Stringfellow / C. Galie* **COMPANY:** *Golder Associates NC Inc.*

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1. Is surface water diverted away from the well head? *YES*
2. Is the concrete pad still intact and free of cracks? *YES*
3. Has surface water runoff undercut the concrete pad? *NO*
4. Is the outer casing still secure and locked? *YES*
5. Is the well identification tag present and is it legible? *YES*

   5a. Does the well identification tag provide the following information:

   - The well identification number? *YES*
   - Drilling contractor and registration number? *YES*
   - Total well depth? *YES*
   - Depth to screen? *YES*
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? *YES*

6. Is the grout between the inner and outer well casings all the way to the ground surface? *YES*
7. Is the inner casing firmly grouted in place? *YES*
8. Are the inner and outer casings upright and unobstructed? *YES*
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? *NO*
10. Is the monitoring well accessible by a four-wheel drive vehicle? *YES*
11. Have brush and weeds been trimmed so that the well is easy to locate and access? *YES*
12. Does the inner well casing have a vented cap? *YES*
13. Is the monitoring well visible and adequately protected from moving equipment? *YES*

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: *WCA of High Point C&D LF* **PERMIT NO.:** *41-16*

LOCATION: *MW-2* **DATE:** *July 17, 2008*

INSPECTOR: *R. Stringfellow / C. Galie* **COMPANY:** *Golder Associates NC Inc.*

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1. Is surface water diverted away from the well head? *YES*
2. Is the concrete pad still intact and free of cracks? *YES*
3. Has surface water runoff undercut the concrete pad? *NO*
4. Is the outer casing still secure and locked? *YES*
5. Is the well identification tag present and is it legible? *YES*

   5a. Does the well identification tag provide the following information:

   - The well identification number? *YES*
   - Drilling contractor and registration number? *YES*
   - Total well depth? *YES*
   - Depth to screen? *YES*
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? *YES*

6. Is the grout between the inner and outer well casings all the way to the ground surface? *YES*
7. Is the inner casing firmly grouted in place? *YES*
8. Are the inner and outer casings upright and unobstructed? *YES*
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? *NO*
10. Is the monitoring well accessible by a four-wheel drive vehicle? *YES*
11. Have brush and weeds been trimmed so that the well is easy to locate and access? *YES*
12. Does the inner well casing have a vented cap? *YES*
13. Is the monitoring well visible and adequately protected from moving equipment? *YES*

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: *WCA of High Point C&D LF* **PERMIT NO.:** *41-16*

LOCATION: *MW-3* **DATE:** *July 17, 2008*

INSPECTOR: *R. Stringfellow / C. Galie* **COMPANY:** *Golder Associates NC Inc.*

1. Is surface water diverted away from the well head? *YES*
2. Is the concrete pad still intact and free of cracks? *NO, ponding water is weathering pad*
3. Has surface water runoff undercut the concrete pad? *NO*
4. Is the outer casing still secure and locked? *YES*
5. Is the well identification tag present and is it legible? *YES*

   5a. Does the well identification tag provide the following information:

   - The well identification number? *YES*
   - Drilling contractor and registration number? *YES*
   - Total well depth? *YES*
   - Depth to screen? *YES*
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? *YES*

6. Is the grout between the inner and outer well casings all the way to the ground surface? *YES*
7. Is the inner casing firmly grouted in place? *YES*
8. Are the inner and outer casings upright and unobstructed? *YES*
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? *NO*
10. Is the monitoring well accessible by a four-wheel drive vehicle? *YES*
11. Have brush and weeds been trimmed so that the well is easy to locate and access? *YES*
12. Does the inner well casing have a vented cap? *YES*
13. Is the monitoring well visible and adequately protected from moving equipment? *YES*

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: *WCA of High Point C&D LF* **PERMIT NO.:** *41-16*

LOCATION: *MW-4S* **DATE:** *July 17, 2008*

INSPECTOR: *R. Stringfellow / C. Galie* **COMPANY:** *Golder Associates NC Inc.*

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1. Is surface water diverted away from the well head? *YES*
2. Is the concrete pad still intact and free of cracks? *YES*
3. Has surface water runoff undercut the concrete pad? *NO*
4. Is the outer casing still secure and locked? *YES*
5. Is the well identification tag present and is it legible? *YES*

   5a. Does the well identification tag provide the following information:

   - The well identification number? *YES*
   - Drilling contractor and registration number? *YES*
   - Total well depth? *YES*
   - Depth to screen? *YES*
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? *YES*

6. Is the grout between the inner and outer well casings all the way to the ground surface? *YES*
7. Is the inner casing firmly grouted in place? *YES*
8. Are the inner and outer casings upright and unobstructed? *YES*
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? *NO*
10. Is the monitoring well accessible by a four-wheel drive vehicle? *YES*
11. Have brush and weeds been trimmed so that the well is easy to locate and access? *YES*
12. Does the inner well casing have a vented cap? *YES*
13. Is the monitoring well visible and adequately protected from moving equipment? *YES*

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: *WCA of High Point C&D LF* **PERMIT NO.:** *41-16*

LOCATION: *MW-5* **DATE:** *July 17, 2008*

INSPECTOR: *R. Stringfellow / C. Galie* **COMPANY:** *Golder Associates NC Inc.*

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1. Is surface water diverted away from the well head? *YES*
2. Is the concrete pad still intact and free of cracks? *YES*
3. Has surface water runoff undercut the concrete pad? *NO*
4. Is the outer casing still secure and locked? *YES*
5. Is the well identification tag present and is it legible? *YES*

   5a. Does the well identification tag provide the following information:

   - The well identification number? *YES*
   - Drilling contractor and registration number? *YES*
   - Total well depth? *YES*
   - Depth to screen? *YES*
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? *YES*

6. Is the grout between the inner and outer well casings all the way to the ground surface? *YES*
7. Is the inner casing firmly grouted in place? *YES*
8. Are the inner and outer casings upright and unobstructed? *YES*
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? *NO*
10. Is the monitoring well accessible by a four-wheel drive vehicle? *YES*
11. Have brush and weeds been trimmed so that the well is easy to locate and access? *YES*
12. Does the inner well casing have a vented cap? *YES*
13. Is the monitoring well visible and adequately protected from moving equipment? *YES*

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: *WCA of High Point C&D LF* **PERMIT NO.:** *41-16*

LOCATION: *MW-6* **DATE:** *July 17, 2008*

INSPECTOR: *R. Stringfellow / C. Galie* **COMPANY:** *Golder Associates NC Inc.*

1. Is surface water diverted away from the well head? *YES*
2. Is the concrete pad still intact and free of cracks? *YES*
3. Has surface water runoff undercut the concrete pad? *NO*
4. Is the outer casing still secure and locked? *YES*
5. Is the well identification tag present and is it legible? *YES*

   5a. Does the well identification tag provide the following information:

   - The well identification number? *YES*
   - Drilling contractor and registration number? *YES*
   - Total well depth? *YES*
   - Depth to screen? *YES*
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? *YES*

6. Is the grout between the inner and outer well casings all the way to the ground surface? *YES*
7. Is the inner casing firmly grouted in place? *YES*
8. Are the inner and outer casings upright and unobstructed? *YES*
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? *NO*
10. Is the monitoring well accessible by a four-wheel drive vehicle? *YES*
11. Have brush and weeds been trimmed so that the well is easy to locate and access? *YES*
12. Does the inner well casing have a vented cap? *YES*
13. Is the monitoring well visible and adequately protected from moving equipment? *YES*

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: *WCA of High Point C&D LF* **PERMIT NO.:** *41-16*

LOCATION: *MW-7S* **DATE:** *July 17, 2008*

INSPECTOR: *R. Stringfellow / C. Galie* **COMPANY:** *Golder Associates NC Inc.*

1. Is surface water diverted away from the well head? *YES*
2. Is the concrete pad still intact and free of cracks? *YES*
3. Has surface water runoff undercut the concrete pad? *NO*
4. Is the outer casing still secure and locked? *YES*
5. Is the well identification tag present and is it legible? *YES*

   5a. Does the well identification tag provide the following information:

   - The well identification number? *YES*
   - Drilling contractor and registration number? *YES*
   - Total well depth? *YES*
   - Depth to screen? *YES*
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? *YES*

6. Is the grout between the inner and outer well casings all the way to the ground surface? *YES*
7. Is the inner casing firmly grouted in place? *YES*
8. Are the inner and outer casings upright and unobstructed? *YES*
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? *NO*
10. Is the monitoring well accessible by a four-wheel drive vehicle? *YES*
11. Have brush and weeds been trimmed so that the well is easy to locate and access? *YES*
12. Does the inner well casing have a vented cap? *YES*
13. Is the monitoring well visible and adequately protected from moving equipment? *YES*

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: *WCA of High Point C&D LF* **PERMIT NO.:** *41-16*

LOCATION: *MW-8* **DATE:** *July 17, 2008*

INSPECTOR: *R. Stringfellow / C. Galie* **COMPANY:** *Golder Associates NC Inc.*

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1. Is surface water diverted away from the well head? *YES*
2. Is the concrete pad still intact and free of cracks? *YES*
3. Has surface water runoff undercut the concrete pad? *NO*
4. Is the outer casing still secure and locked? *YES*
5. Is the well identification tag present and is it legible? *YES*

   5a. Does the well identification tag provide the following information:

   - The well identification number? *YES*
   - Drilling contractor and registration number? *YES*
   - Total well depth? *YES*
   - Depth to screen? *YES*
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? YES

6. Is the grout between the inner and outer well casings all the way to the ground surface? *YES*
7. Is the inner casing firmly grouted in place? *YES*
8. Are the inner and outer casings upright and unobstructed? *YES*
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? *NO*
10. Is the monitoring well accessible by a four-wheel drive vehicle? *YES*
11. Have brush and weeds been trimmed so that the well is easy to locate and access? *YES*
12. Does the inner well casing have a vented cap? *YES*
13. Is the monitoring well visible and adequately protected from moving equipment? *YES*