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October 10, 2006

South Carolina Department of Health
and Environmental Control
Groundwater Quality Section
Bureau of Water
2600 Bull Street
Columbia, South Carolina 29201

Attention: Mr. Chris Forest

Re: Ground Water Monitoring Report
Delavan Spray Technologies Site
Bamberg, South Carolina
Site ID #02211
H&H Job No. GDR-006

Dear Chris:

On behalf of Delavan Spray Technologies, Hart & Hickman, PC (H&H) is providing SC DHEC with the attached Ground Water Monitoring Report – 1st Half 2006 for the Delavan site in Bamberg, South Carolina.

Should you have any questions or require any additional information, please feel free to contact me at (704) 586-0007.

Very truly yours,

Hart & Hickman, PC

Michael S. Crouch, PG
Project Manager

Attachments

cc: Richard Kearse
Steve Flann
Bruce Amig

A5

Ground Water Monitoring Report
1st Half 2006
Delavan Spray Technologies Facility
Bamberg, South Carolina
DHEC Site ID #02211

H&H Job No. GDR-006

October 10, 2006

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SOUTH CAROLINA
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Semi-Annual Ground Water Monitoring Report – 1st Half 2006
Delavan Spray Technologies Facility
Bamberg, South Carolina
H&H Job GDR-006

1.0 Introduction

This data report presents the results of ground water monitoring conducted in March and June 2006 by Hart & Hickman, PC (H&H) at the Delavan Spray Technologies (Delavan) facility located on Highway 301 South in Bamberg, Bamberg County, South Carolina (Figure 1). A site location map is provided as Figure 1, and a Site layout is provided as Figure 2.

Previous assessment activities indicated the presence of volatile organic compounds (VOCs), primarily chlorinated compounds, in ground water at the Delavan facility. The primary constituent of concern is tetrachloroethene (PCE). Other analytes historically detected in ground water samples include trichloroethene (TCE) and cis-1,2-dichloroethene (DCE), biodegradation products of PCE, thus indicating that biodegradation occurs at the Site. The results of these previous ground water assessment activities are summarized in a Ground Water Assessment Report dated March 15, 2004 and various earlier reports. Figure 2 depicts the PCE detections and estimated distribution in ground water as presented in the March 2004 report based on data collected in December 2003 and February 2004.

Based on the results of the ground water assessment, the South Carolina Department of Health and Environmental Control (DHEC) requested that Delavan prepare a remedial plan to address PCE in ground water at three locations in the vicinity of monitor wells MW-1, MW-9, and MW-10. Delavan submitted a *Work Plan for Remedial Activities* on August 11, 2004 proposing implementation of enhanced biodegradation using Hydrogen Release Compound (HRC), a commercially available carbon source which has proven effective in enhancing degradation of chlorinated ethenes such as PCE. The Work Plan was approved by DHEC on October 27, 2004.

Prior to conducting the injection of HRC, and as required by regulation, H&H submitted an Underground Injection Control (UIC) permit application to DHEC's Underground Injection

Control (UIC) group on January 31, 2005. DHEC issued an injection permit (Permit No. 816) on February 11, 2005.

Pre-injection ground water monitoring was conducted on March 14, 2005 and the HRC injection was conducted over the next two days. Quarterly post-injection monitoring events have been conducted since the HRC injection in accordance with the sampling matrix (Table 1). The quarterly sampling events were conducted in June, September, and December 2005 and included sampling of wells MW-1, MW-9, and MW-10 as described in the Work Plan. The results of pre- and post HRC injection monitoring through December 2005 were presented in H&H's January 31, 2006 Report of HRC Injection and Pre- and Post-Injection Ground Water Monitoring.

A comprehensive sampling event was conducted in March 2006 and included each Site monitoring well. Subsequent to the March 2006 sampling, an additional quarterly sampling of MW-1, MW-9, and MW-10 was conducted in June 2006. This report presents the results from the March 2006 annual sampling event and the June 2006 quarterly sampling event.

2.0 HRC Injection Summary

H&H conducted HRC injection activities at the Site on March 15 and 16, 2005. HRC was injected into three grids of borings surrounding each of monitoring wells MW-1, MW-9, and MW-10. Borings were placed in three rows on approximate 12 to 15 ft spacing in each of the areas of concern (Figure 3). Twelve borings were advanced at each of the three areas (a total of 36 borings). Ground water in these areas occurs at depths of approximately 8 to 10 feet below ground level. The borings were advanced using DPT techniques.

Based upon HRC guidelines and H&H's past experience, HRC was injected at a rate of approximately 3.5 to 4 lbs of HRC per foot of boring. A total of 1,740 lbs of HRC was injected at the site. The borings were advanced to approximately 20 ft below grade and the HRC injected under pressure through the DPT rods. During the injection at each location, the rods were raised and injection continued throughout the saturated zone and approximately 2-ft above the water table to account for water level fluctuations. This injection technique allows the HRC to be evenly distributed across the boring interval within the saturated zone. The borings were then backfilled and the top of the boring grouted with bentonite.

3.0 1st Half 2006 Ground Water Monitoring Results

3.1 Data Collection Procedures

Ground water samples were collected during the 1st half of 2006 (the reporting period) in March and June 2006 and the results are presented below. Previous ground water sampling events conducted immediately prior to HRC injection in March 2005 and afterwards in June, September, and December 2005 are summarized in H&H's January 2006 report.

The ground water monitoring has been conducted in accordance with the sampling program in the approved August 2004 work plan and the sampling program is summarized on Table 1. The March 2006 sampling event was the annual sampling event and ground water samples were collected from each Site monitoring well (MW-1 through MW-11). Each ground water sample was analyzed for VOCs by EPA Method 601. Additionally, the samples from monitoring wells MW-1, MW-9, and MW-10 were analyzed for geochemical parameters (nitrate, sulfate, chlorides, total organic carbon (TOC), and methane), and metabolic acids. Metabolic acids are a key by-product of HRC dissociation Field parameters collected from these wells included dissolved oxygen, oxidation reduction potential (ORP), ferrous iron, specific conductivity, pH, and temperature.

The June 2006 sampling event was a quarterly sampling event and samples were collected from monitoring wells MW-1, MW-9, and MW-10 only. Samples from these wells were analyzed for VOCs, geochemical parameters, and metabolic acids.

Prior to collection of the ground water samples, the wells were purged using dedicated disposable bailers until pH, temperature, and specific conductivity stabilized. In-situ readings for dissolved oxygen were collected using a dissolved oxygen meter prior to well purging. All other field parameters were measured after purging.

Dedicated laboratory-supplied sample bottles were used for sample collection. A chain-of-

custody record was completed for samples collected and included sample description, date collected, time collected, matrix, sample container information, and analyses required. The chain-of-custody was signed by H&H prior to placement in an iced cooler for shipment to the analytical laboratory. Prior to shipment, the cooler was closed with a seal with the H&H representative's signature and date such that potential disturbance of the cooler contents could be detected by the laboratory.

A summary of ground water elevation measurements is included as Section 3.2 and the results of the ground water sampling are presented in Section 3.3.

3.2 Ground Water Elevation Data

As part of each sampling event, ground water elevation data were collected from Site wells to verify ground water flow direction. Ground water elevation data for Site monitoring wells are provided in Table 2, and ground water elevation contour maps for the March and June 2006 sampling event are presented as Figures 4 and 5, respectively.

Depths to water in March 2006 ranged from approximately 4 ft to 14 ft below grade. Ground water elevations were generally approximately 1.5 to 2 ft lower in June 2006 and the depths to water ranged from approximately 6 ft to 14 ft. Figure 6 shows hydrographs of the Site monitoring wells.

Consistent with previous gauging events, the ground water flow direction is dependent upon location at the Site. Ground water in the eastern and western portions of the Site flows toward the center of the Site and then moves generally north and south along a ground water low or trough. The flow direction in the central and north-central part of the Site appears to be toward the north while flow in the south-central portion of the Site appears to be toward the south. This north-south ground water divide appears to be located just south of the former PCE containment area near MW-1. It is likely that the location of the north-south ground water divide shifts slightly during the year due to water level fluctuations.

Based on the water elevation data collected to date, it appears that the apparent remnant Carolina Bay upon which the Site is located effects the flow regime in the vicinity of the Delavan plant. Carolina Bays are characterized by flow geometries similar to that at the Delavan site. The flow regime appears to be characterized by a ground water trough in the center of the site with ground water flowing both to the north and, to a lesser degree, to the south along the ground water trough. Review of the hydrograph (Figure 6) indicates that water level fluctuations are less pronounced within the central portion of the ground water trough (MW-1, MW-3, MW-7, and MW-8) than in the wells along the flanks (MW-2, MW-4, MW-5, MW-6, and MW-10). The net result is a seasonal shifting of flow direction and gradients in the central portion of the site.

3.3 Ground Water Analytical Data

The laboratory reports for the March and June 2006 sampling events are included as Appendix A and B, respectively. A summary of recent and historical ground water monitoring data is provided in Table 3. Geochemical data is summarized on Table 4 and metabolic acids data is summarized on Table 5.

VOC Concentrations:

The PCE concentrations in ground water from the March and June 2006 ground water sampling events are presented on Figure 7 and Figure 8 presents the estimated PCE distribution during the March 2006 sampling event. During the annual sampling event in March 2006, PCE was detected in 7 of the 11 monitor wells at concentrations ranging from 1.21 µg/l to 6,580 µg/l. The extent of PCE detections (Figure 8) appears similar to historical conditions and is generally within the property limits of the Delavan Site. However the peak concentrations in the vicinity of MW-1, MW-9, and MW-10 have decreased significantly as indicated below. The concentrations of PCE in MW-1, MW-9, and MW-10 decreased dramatically between the March and June 2006 sampling events, however a distribution map from June 2006 was not prepared due to the limited number of wells sampled during the June 2006 event.

Figure 9 depicts the PCE concentration versus time in monitoring wells MW-1, MW-9, and MW-10. As depicted on Figure 9, the PCE concentrations in these wells have decreased significantly since initial assessment in 2003, particularly during 2006. For example the concentration of PCE in MW-1 decreased from 15, 000 μg/l in June 2003 to 4,100 μg/l in June 2006; PCE in MW-9 decreased from 7,500 μg/l in December 2003 to 1,500 μg/l in June 2006; and PCE in MW-10 decreased from 5,800 μg/l in December 2003 to 1,800 μg/l in June 2006. The decreases in PCE were particularly dramatic between March 2006 and June 2006. For example, PCE in MW-9 decreased from 4,560 μg/l to 1,500 μg/l between March and June 2006.

The VOC decreases indicated in the data from March and June 2006 appears to indicate that the effects of the HRC injection are now being manifested in the three monitoring wells (MW-1, MW-9, and MW-10) and PCE in the area of the wells has been undergoing biodegradation.

Geochemical Parameters

The ground water samples from MW-1, MW-9, and MW-10 were analyzed for geochemical evaluation parameters during each of the sampling events during the reporting period. These geochemical parameters included nitrate, sulfate, chlorides, total organic carbon (TOC) and methane, and metabolic acids, a by-product of HRC dissociation. Additionally, field measurements of pH, temperature, dissolved oxygen and oxygen reduction potential (ORP) were conducted for each ground water sample collected from the monitoring wells in March and June 2006. A discussion of the individual geochemical indicators for the post-injection sampling is provided below.

Dissolved Oxygen: Reductive dechlorination occurs under anaerobic or low dissolved oxygen (DO) conditions. Dissolved oxygen concentrations of less than 5 mg/l are acceptable while concentrations less than 1 mg/l are ideal.

DO concentrations since HRC injection have been near or below 5.0 mg/l in each of the three wells sampled. DO concentrations appear particularly well suited to dechlorination in the area of

MW-9 where the post-injection DO ranged from 0.19 mg/l to 1.54 mg/l.

Nitrate: Nitrate may be used as an electron acceptor for anaerobic biodegradation via denitrification. In this process, nitrate is reduced and nitrite (or other forms of nitrogen) is produced. Therefore, measurement of nitrate provides an indication of anaerobic nitrate-reducing conditions in the aquifer. In general, nitrate concentrations in the plume less than background are considered indicative that anaerobic biodegradation utilizing nitrate is occurring. At concentrations greater than 1 mg/l, nitrate may compete with the reductive dechlorination process.

Pre and post-injection data continue to indicate low and stable nitrate concentrations. Nitrate concentrations at the Site are naturally low and therefore nitrate concentration reduction is not a useful indicator of biodegradation at the Site.

Ferrous Iron: After other electron acceptors have been reduced, iron (III) or ferric iron is used as an electron acceptor during anaerobic biodegradation. During this process, iron (III) is reduced to iron (II) or ferrous iron. In general, ferrous iron concentrations in the plume greater than background are considered indicative that anaerobic biodegradation utilizing ferric iron is occurring. In general, ferrous iron concentrations greater than background are considered an indicator of iron reduction. However, at the Delavan Site, ferrous iron has not been detected in significant concentrations in wells either within the plume or in background wells with the exception of un-impacted well MW-4 and the recent detection of 1.6 mg/l in the June sample from MW-9.

Sulfate: Sulfate may also be used as an electron acceptor for anaerobic biodegradation. This process is known as sulfate reduction which results in the depletion of sulfate and production of sulfide compounds in the aquifer. Sulfate concentrations below background concentrations are indicative of anaerobic biodegradation by sulfate reduction. At concentrations greater than 20 mg/l, sulfate may compete with the reductive dechlorination process.

Sulfate levels remained low in ground water samples collected from MW-1 and MW-10 during the reporting period. This indicates that sulfate reduction is not an active terminal electron acceptor process near well MW-1 and MW-10. However, the June 2006 concentration of sulfate in MW-9 increased to 9.0 mg/l compared to previous concentrations of approximately 3 mg/l. This may be indicative that sulfate reduction is occurring in the vicinity of MW-9.

Methane: After the other electron acceptors have been utilized, methanogenesis may occur wherein carbon dioxide is used as an electron acceptor for anaerobic biodegradation. Reductive dechlorination is most efficient in methanogenic conditions. In general, elevated methane concentrations are indicative of methanogenesis.

Methane was not detected in MW-1, MW-9, or MW-10 during the reporting period. This indicates methanogenesis is not an active process at the Site.

Total Organic Carbon (TOC): Organic carbon is utilized as an electron donor (or may produce hydrogen which can serve as the electron donor) in the reductive dechlorination process and therefore is needed to drive the process. Organic carbon can be naturally occurring or introduced by man (i.e., by injecting a carbon source such as HRC). The presence of TOC at concentrations greater than 20 mg/l is considered ideal for reductive dechlorination.

TOC concentrations increased slightly from non-detectable levels in MW-1, MW-9, and MW-10 prior to HRC injection to up to 3.9 mg/l in MW-9 during the June 2006 sampling event. TOC was not detected in the reporting period in MW-10 and was detected in MW-1 at 1.1 mg/l in June 2006. The detected TOC concentrations are below the optimum TOC of at least 20 mg/l, however the recent detections of TOC indicate that HRC may be dissociating into the aquifer and providing the required carbon source.

Redox Potential: The redox or oxidation-reduction potential (ORP) of ground water is a measure of electron activity, and is an indicator of the relative tendency of a solution to accept or transfer electrons. The ORP of a ground water system depends upon and influences rates of

biodegradation. Reductive dechlorination is most efficient in the ORP range corresponding to sulfate reduction and methanogenesis (<-100 mV); however, dechlorination of PCE and other chlorinated ethenes also occurs in the ORP range associated with nitrate, manganese, and ferrous iron reduction (-50 to 740 mV). ORP is generally consistent with dissolved oxygen data, with low dissolved oxygen levels corresponding to low ORP potentials.

ORP values in each of the wells MW-1, MW-9, and MW-10 continue to be in the range of 200 to 400 mV, the range associated with nitrate, manganese, and ferrous iron reduction.

Chloride: Chloride is produced by the reductive dechlorination process and therefore is a direct indicator of active reductive dechlorination. Increases in chloride concentrations relative to background are an indicator of the reductive dechlorination process, however significant concentrations of chlorinated compounds must be dechlorinated to see even modest increases in chlorides.

Chloride concentrations have been relatively similar in pre- and post-injection monitoring samples. Although chlorides are expected to increase during dechlorination, the expected increase is generally minor and is often masked by the normal sampling variation in chloride concentrations.

Metabolic Acids: In ground water, the breakdown of HRC produces a low level supply of metabolic acids including lactic, pyruvic, acetic, propionic, and butyric acids. The production of these acids releases hydrogen into ground water which is then utilized by indigenous microbes in reductive dechlorination.

Post-HRC injection sampling has not indicated the presence of metabolic acids in monitoring wells (Table 5). Lactic acid is formed by disassociation of the HRC regardless of the rate of VOC dechlorination. Therefore, the presence of lactic acid acts as a tracer for the area of HRC impact. Lack of detected metabolic acids in ground water samples indicates either the HRC bypassed the monitor well, has been consumed, or the ground water in contact with the HRC has

not yet reached the monitor well. Due to the high clay content of the soils at the Site, it is unlikely that the HRC has bypassed the well. It is possible that the HRC has now been consumed and did not reach the sphere of influence of the wells prior to its consumption. Therefore, H&H suspects that, despite the relatively close spacing of the injection points, that the acids are, or were, present in ground water but did not reach the location of the monitor wells. However, the significant decreases in PCE in the monitoring wells near the injection wells is indicative of a the effect of HRC injection and subsequent migration of the effected ground water into the monitoring wells.

3.4 Summary

In summary, there is strong evidence that anaerobic degradation of PCE has occurred at the site. This evidence includes recent significant decreases in PCE concentrations compared to historical maximums in each of the three HRC-injected areas and the increased presence of TOC and PCE daughter products (TCE and cis-1,2-DCE) in monitoring well MW-9.

Other geochemical indicators of enhanced biodegradation from the HRC injection have not yet been significantly detected in Site monitoring wells. H&H suspects that the abundance of clay in the sediments and the suspected low ground water velocities in the remediation areas have delayed the appearance of the degradation indicators in Site monitoring wells, however the reduction in VOCs indicates enhanced degradation has occurred and is now being manifested in the sphere of influence of the monitoring wells.

4.0 Summary and Conclusions

A total of 1,740 lbs of HRC was injected into three grids of borings consisting of a total of 36 borings centered near monitoring wells MW-1, MW-19, and MW-10 in March 2005. Ground water samples in these three wells have been collected on five occasions since the injection (June, September, and December 2005, and March and June 2006).

Results of ground water monitoring in 2006 indicate significant evidence of enhanced degradation due to the HRC injection, whereas previous sampling in 2005 indicated only preliminary and limited degradation. H&H suspects that the high-clay content and low suspected ground water velocities at the Site delayed the detection of VOC decreases in the monitoring wells. It is likely that the ground water conditions in closer proximity to the injection points exhibit favorable geochemical condition however; the influence of the injection (and resultant VOC degradation) had not manifested itself in the monitoring wells until the recent sampling events.

The ground monitoring program will be continued and at least one or two more quarters of data will be evaluated prior to recommending additional actions, if warranted.

Table 1
Sampling Matrix
Delavan Spray Technologies
Bamberg, South Carolina
H&H Project GDR-006

Sampling Location	Sampling Event		
	Baseline	Quarterly	Annual
MW-1	VOC, NA, Acid	VOC, NA, Acid	VOC, NA, Acid
MW-2	VOC	--	VOC
MW-3	VOC	--	VOC
MW-4	VOC	--	VOC
MW-5	VOC	--	VOC
MW-6	VOC	--	VOC
MW-7	VOC	--	VOC
MW-8	VOC	--	VOC
MW-9	VOC, NA	VOC, NA, Acid	VOC, NA, Acid
MW-10	VOC, NA	VOC, NA, Acid	VOC, NA, Acid
MW-11	VOC	--	VOC

VOC = Volatile Organic Compounds by EPA Method 601
NA = Natural Attenuation Parameters (see text)
Acid = Metabolic Acids
-- = No sample
Quarterly = 3, 6, and 9 month events

Table 2
Monitoring Well Construction and Ground Water Elevation Data
Delavan Spray Technologies
Bamberg, South Carolina
H&H Job No. GDR-006

Well No.	Total Depth	Screen Interval (ft bgl)	Top of Casing Elevation	Pre-HRC Injection										Post-HRC Injection									
				6/5/2003		7/9/2003		12/31/2003		1/16/2004		3/14/2005		6/1/2005		9/20/2005		12/12/2005		3/28/2006		6/26/2006	
				Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation
MW-1	18	3-18	100.00	9.70	90.30	8.42	91.58	12.88	87.12	13.02	86.98	12.54	87.46	12.31	87.69	12.66	87.34	13.41	86.59	11.97	88.03	12.16	87.84
MW-2	18	3-18	100.45	5.81	94.64	4.76	95.69	12.52	87.93	12.73	87.72	11.95	88.50	10.56	89.89	12.37	88.08	12.99	87.46	10.59	89.86	10.44	90.01
MW-3	18	3-18	100.90	11.41	89.49	9.20	91.70	14.11	86.79	14.11	86.79	13.54	87.36	13.86	87.04	13.94	86.96	14.58	86.32	13.49	87.41	13.67	87.23
MW-4	14	4-14	99.99	4.11	95.88	3.59	96.40	10.38	89.61	10.63	89.36	9.24	90.75	10.23	89.76	11.44	88.55	11.81	88.18	7.53	92.46	9.26	90.73
MW-5	14	4-14	98.52	4.72	93.80	3.68	94.84	10.87	87.65	10.81	87.71	8.74	89.78	9.77	88.75	10.51	88.01	11.30	87.22	6.74	91.78	8.74	89.78
MW-6	14	4-14	96.25	2.40	93.85	2.30	93.95	8.09	88.16	7.29	88.96	6.44	89.81	6.38	89.87	8.24	88.01	8.29	87.96	4.17	92.08	6.30	89.95
MW-7	20	5-20	101.82	NI	NI	NI	NI	14.88	86.94	14.93	86.89	13.97	87.85	14.45	87.37	14.52	87.30	15.11	86.71	13.91	87.91	14.22	87.60
MW-8	20	5-20	98.48	NI	NI	NI	NI	12.06	86.42	12.17	86.31	11.97	86.51	12.14	86.34	13.07	85.41	12.81	85.67	11.17	87.31	12.32	86.16
MW-9	20	5-20	97.05	NI	NI	NI	NI	9.82	87.23	9.55	87.50	8.45	88.60	7.61	89.44	10.57	86.48	9.33	87.72	6.91	90.14	8.98	88.07
MW-10	18	3-18	95.26	NI	NI	NI	NI	7.48	87.78	7.52	87.74	5.19	90.07	6.02	89.24	7.51	87.75	7.45	87.81	3.49	91.77	5.82	89.44
MW-11	18	3-18	96.17	NI	NI	NI	NI	8.00	88.17	8.12	88.05	7.48	88.69	7.87	88.30	8.90	87.27	8.63	87.54	6.84	89.33	8.01	88.16

Notes:
bgl = below ground level
Depth to water measured relative to top of casing
Elevations referenced to an assumed datum of 100.00 ft at the top of casing elevation of MW-1
NI = not installed
HRC injection activities were conducted at the site on March 15 and 16, 2005

Table 3
Monitoring Well Ground Water and Surface Water Analytical Detections
Delavan Spray Technologies
Bamberg, South Carolina
H&H Job No. GDR-006

Well No.	Sample Date	Bromoform (µg/l)	Chloromethane (µg/l)	Chlorobenzene (µg/l)	2-Chloroethyl vinyl ether (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	PCE (µg/l)	TCE (µg/l)	1,1,2,2-PCE (µg/l)	1,1,1-TCA (µg/l)	1,1-DCE (µg/l)	1,1-DCA (µg/l)	1,3-Dichlorobenzene (µg/l)	trans-1,3-Dichloropropene (µg/l)	MTBE (µg/l)	1,2,4-Trimethylbenzene (µg/l)	Toluene (µg/l)	Xylenes (µg/l)
Ground Water Samples																			
MW-1	6/4/2003	<50	140	<50	<2,500	<50	<50	**15,000**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<250	<150
	12/30/2003	<800	<800	<800	<2,000	<800	<800	**11,000**	<800	<800	<800	<800	<800	<800	<800	<800	<800	<800	<800
	3/14/2005	1.10	<1.00	1.90	<10.0	10.1	<1.00	**5,470**	**34.8**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
	6/1/2005	<1.00	<1.00	<1.00	<10.0	10.1	<1.00	**5,750**	**41.3**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
	9/20/2005	<2.00	<1.00	<1.00	<1.00	9.60	<1.00	**3,150**	**38.4**	3.66	<1.00	<1.00	<1.00	1.51	<1.00	NA	NA	NA	NA
	12/12/2005	<1.00	<1.00	<1.00	NA	11.4	<1.00	**4,750**	**35.6**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
	3/28/2006	<1.00	<1.00	<1.00	NA	11.9	<1.00	**6,580**	**48.1**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
	6/26/2006	<1.0	<1.0	<1.0	<50	13	<1.0	**4,100**	**32**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
MW-2	6/4/2003	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<3.0
	12/30/2003	<2	<2	<2	<5	<2	<2	4.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4
	3/14/2005	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	4.30	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
	3/28/2006	<1.00	<1.00	<1.00	NA	<1.00	<1.00	1.21	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
MW-3	6/4/2003	<1.0	<1.0	<1.0	<50	<1.0	<1.0	**74**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<3.0
	12/30/2003	<2	<2	<2	<5	<2	<2	**220**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4
	3/14/2005	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	**113**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
	3/28/2006	<1.00	<1.00	<1.00	NA	<1.00	<1.00	**305**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
MW-4	6/4/2003	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<3.0
	12/30/2003	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4
	3/14/2005	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
	3/28/2006	<1.00	<1.00	<1.00	NA	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
MW-5	6/4/2003	<1.0	<1.0	<1.0	<50	<1.0	<1.0	**160**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<3.0
	12/31/2003	<2	<2	<2	<5	<2	<2	**230**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4
	3/14/2005	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	**345**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
	3/28/2006	<1.00	<1.00	<1.00	NA	<1.00	<1.00	3.79	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
MW-6	6/4/2003	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<3.0
	12/31/2003	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4
	3/14/2005	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
	3/28/2006	<1.00	<1.00	<1.00	NA	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
MW-7	12/31/2003	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	3.3	<2	5.3
	3/14/2005	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
	3/28/2006	<1.00	<1.00	<1.00	NA	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
MW-8	12/31/2003	<2	<2	<2	<5	<2	<2	**30**	<2	<2	<2	<2	<2	<2	<2	3.1	2.0	1.9J	4.7
	3/14/2005	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	**135**	1.10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
	3/28/2006	<1.00	<1.00	<1.00	NA	<1.00	<1.00	**102**	1.10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
MWT-1/MW-9	12/31/2003	<800	<800	<800	<2,000	<800	<800	**7,500**	<800	<800	<800	<800	<800	<800	<800	<800	<800	<800	<2,000
	3/14/2005	<1.00	<1.00	<1.00	<10.0	19.1	<1.00	**3,520**	**76.0**	<1.00	<1.00	**7.30**	<1.00	<1.00	<1.00	NA	NA	NA	NA
	6/1/2005	<1.00	<1.00	<1.00	96.3	**226**	1.40	**4,670**	**280**	<1.00	<1.00	6.70	<1.00	<1.00	<1.00	NA	NA	NA	NA
	9/20/2005	33.9	<1.00	<1.00	<1.00	**158**	1.90	**5,000**	**295**	<1.00	1.28	**13.60**	<1.00	<1.00	1.17	NA	NA	NA	NA
	12/12/2005	<1.00	<1.00	<1.00	NA	**182**	1.37	**3,920**	**286**	<1.00	2.05	**8.94**	<1.00	<1.00	<1.00	NA	NA	NA	NA
	3/28/2006	<1.00	<1.00	<1.00	NA	**362**	1.57	**4,560**	**372**	<1.00	<1.00	**8.51**	<1.00	<1.00	<1.00	NA	NA	NA	NA
	6/26/2006	<1.0	<1.0	<1.0	<50	**520**	1.7	**1,500**	**330**	<1.0	<1.0	**12**	<1.0	<1.0	<1.0	NA	NA	NA	NA
MWT-2/MW-10	12/31/2003	<200	<200	<200	<500	<200	<200	**5,800**	<200	<200	<200	**520**	<200	<200	<200	<200	<200	<200	<400
	3/14/2005	<1.00	<1.00	1.30	<10.0	40.1	1.00	**4,360**	**62.3**	<1.00	26.4	**18.6**	<1.00	<1.00	<1.00	NA	NA	NA	NA
	6/1/2005	<1.00	<1.00	<1.00	<10.0	40.8	<1.00	**5,680**	**52.0**	<1.00	12.7	**17.5**	1.70	2.20	<1.00	NA	NA	NA	NA
	9/20/2005	17.1	<1.00	<1.00	<1.00	27.8	<1.00	**4,360**	**46.2**	<1.00	9.03	**40.0**	<1.00	<1.00	<1.00	NA	NA	NA	NA
	12/12/2005	<1.00	<1.00	<1.00	NA	23.2	<1.00	**3,050**	**45.2**	<1.00	11.7	**14.4**	<1.00	<1.00	<1.00	NA	NA	NA	NA
	3/28/2006	<1.00	<1.00	<1.00	NA	16.8	<1.00	**3,090**	**27.4**	<1.00	6.10	**13.4**	<1.00	<1.00	<1.00	NA	NA	NA	NA
	6/26/2006	<20	<20	<20	<1,000	21	<20	**1,800**	**31**	<20	<20	<20	<20	<20	<20	NA	NA	NA	NA
MWT-3/MW-11	12/31/2003	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4
	3/14/2005	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
	3/28/2006	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA
MCL		NS	NS	100	NS	70	100	5	5	NS	200	7	NS	NS	NS	NS	NS	1,000	10,000
Surface Water Sample																			
SW-1	6/5/2003	<1.0	<1.0	<1.0	<50	1.0	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<5.0	<3.0

Notes:
MWT-1, MWT-2, MWT-3 initially constructed as temporary wells and then converted to permanent wells MW-9, MW-10, and MW-11, respectively
Samples analyzed using EPA Method 8260; except samples collected in and after March 2005 which were analyzed using EPA Method 601
Only analytes detected in at least one sample indicated; Bold indicates concentration exceeds MCL
NS = Not Specified; NA = Not Analyzed; MCL = DHEC Maximum Contaminant Level
HRC injection activities were conducted at the site on March 15 and 16, 2005
HRC = Hydrogen Release Compound

Table 4
Ground Water Geochemical Parameters
Delavan Spray Technologies
Bamberg, South Carolina
H&H Job No. GDR-006

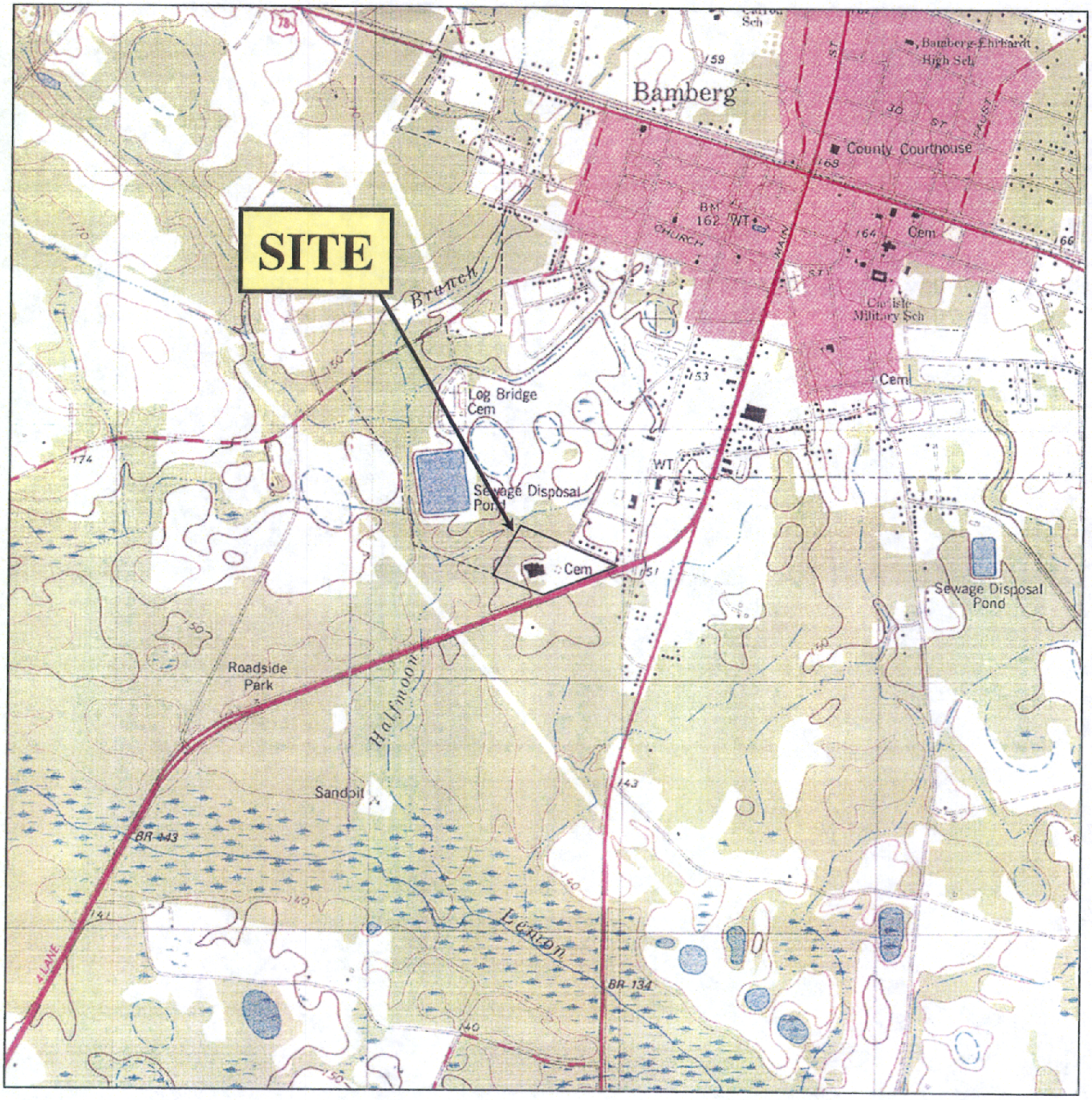
Well No.	Sample Date	Dissolved Oxygen (mg/l)	TOC (mg/l)	Methane (mg/l)	Chloride (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	ORP (mV)	pH	Temp. (degrees C)	Ferrous Iron (mg/l)
Ground Water Samples											
MW-1	12/30/2003	2.35	<1.00	0.052	6.60	1.4	7.0	123	4.87	20.7	NA
	3/14/2005	3.62	<1.00	<0.026	8.41	1.28	<1.00	322	4.98	17.9	<0.2
	6/1/2005	3.15	1.48	<0.026	6.14	1.34	<1.00	234	4.94	19.3	<0.2
	9/20/2005	3.44	<1.00	<0.026	6.55	1.32	<1.00	347	4.77	25.4	<0.2
	12/12/2005	3.02	1.60	<0.026	5.73	1.65	<1.00	372	4.91	22.2	<0.2
	3/28/2006	2.96	<1.00	<0.026	6.15	1.32	<1.00	309	4.80	18.1	<0.2
	6/26/2006	3.71	1.1	<0.01	4.5	1.3	<5	314	4.93	20.6	<0.2
MW-2	12/30/2003	1.71	NA	NA	NA	NA	NA	103	4.79	20.6	NA
	3/14/2005	2.64	NA	NA	NA	NA	NA	310	4.68	17.5	<0.2
	3/28/2006	3.80	NA	NA	NA	NA	NA	299	4.82	18.4	<0.2
MW-3	12/30/2003	2.37	NA	NA	NA	NA	NA	100	5.05	21.4	NA
	3/14/2005	2.47	NA	NA	NA	NA	NA	340	4.93	17.6	<0.2
	3/28/2006	3.90	NA	NA	NA	NA	NA	260	5.16	18.6	<0.2
MW-4	12/30/2003	1.38	NA	NA	NA	NA	NA	5	5.26	18.3	NA
	3/14/2005	1.28	NA	NA	NA	NA	NA	25	4.76	15.6	3.6
	3/28/2006	1.42	NA	NA	NA	NA	NA	-28	5.28	15.5	6.6
MW-5	12/31/2003	4.57	NA	NA	NA	NA	NA	95	5.03	19.4	NA
	3/14/2005	4.01	NA	NA	NA	NA	NA	235	4.99	16.4	<0.2
	3/28/2006	5.43	NA	NA	NA	NA	NA	285	5.20	16.7	<0.2
MW-6	12/31/2003	3.77	NA	NA	NA	NA	NA	86	4.84	18.2	NA
	3/14/2005	1.86	NA	NA	NA	NA	NA	356	4.86	15.7	<0.2
	3/28/2006	4.67	NA	NA	NA	NA	NA	278	5.13	15.3	<0.2
MW-7	12/31/2003	4.01	NA	NA	NA	NA	NA	13	4.89	20.2	NA
	3/14/2005	4.80	NA	NA	NA	NA	NA	425	5.01	17.3	<0.2
	3/28/2006	5.08	NA	NA	NA	NA	NA	196	5.10	18.6	<0.2
MW-8	12/31/2003	4.15	NA	NA	NA	NA	NA	6	4.06	20.2	NA
	3/14/2005	1.80	NA	NA	NA	NA	NA	317	4.69	18.0	<0.2
	3/28/2006	2.65	NA	NA	NA	NA	NA	326	4.82	19.1	<0.2
MWT-1/MW-9	12/31/2003	1.33	NA	NA	NA	NA	NA	-114	5.56	17.5	NA
	3/14/2005	2.02	<1.00	<0.026	4.20	0.410	3.03	310	4.87	15.3	<0.2
	6/1/2005	0.78	1.92	<0.026	3.08	0.210	2.84	202	4.98	17.5	<0.2
	9/20/2005	0.13	1.33	<0.026	3.23	0.286	1.24	323	4.72	22.5	<0.2
	12/12/2005	0.78	1.73	<0.026	2.42	0.290	3.43	275	5.05	18.8	<0.2
	3/28/2006	0.91	3.11	<0.026	2.61	0.182	3.16	295	4.90	15.7	<0.2
	6/26/2006	1.54	3.9	<0.01	1.9	0.15	`9	217	5.01	19.4	1.6
MWT-2/MW-10	12/31/2003	4.79	NA	NA	NA	NA	NA	-16	5.93	16.5	NA
	3/14/2005	5.30	<1.00	<0.026	4.54	0.200	<1.00	323	4.95	15.1	<0.2
	6/1/2005	4.71	1.46	<0.026	4.51	0.270	<1.00	310	5.44	18.3	0.2
	9/20/2005	3.59	<1.00	<0.026	4.86	0.592 (1)	<1.00	327	5.13	23.2	<0.2
	12/12/2005	5.27	<1.0	<0.026	<1.00	0.320	4.28	239	5.53	19.0	<0.2
	3/28/2006	4.88	<1.0	<0.026	3.93	0.201	1.01	293	5.23	15.8	<0.2
	6/26/2006	5.35	<1	<0.01	2.6	0.2	<5	260	5.29	20.6	<0.2
MWT-3/MW-11	12/31/2003	4.58	NA	NA	NA	NA	NA	-144	5.16	17.1	NA
	3/14/2005	0.96	NA	NA	NA	NA	NA	193	5.12	15.6	0.6
	3/28/2006	1.56	NA	NA	NA	NA	NA	76	5.17	15.5	0.6

Notes:
NA = Not Analyzed; HRC = Hydrogen Release Compound
MWT-1, MWT-2, MWT-3 initially constructed as temporary wells and then converted to permanent wells MW-9, MW-10, and MW-11, respectively
HRC injection activities were conducted at the site on March 15 and 16, 2005
(1) Sample analysis performed past method-specified holding time

Table 5
Ground Water Metabolic Acids
Delavan Spray Technologies
Bamberg, South Carolina
H&H Job No. GDR-006

Well No.	Sample Date	Pyruvic Acid (mg/l)	Lactic Acid (mg/l)	Acetic Acid (mg/l)	Propionic Acid (mg/l)	Butyric Acid (mg/l)
Ground Water Samples						
MW-1	3/14/2005	<0.1	<1.0	<1.0	<1.0	<1.0
	6/1/2005	<0.1	<1.0	<1.0	<1.0	<1.0
	9/20/2005	<0.1	<1.0	<1.0	<1.0	<1.0
	12/12/2005	<0.1	<1.0	<1.0	<1.0	<1.0
MWT-1/MW-9	3/14/2005	NA	NA	NA	NA	NA
	6/1/2005	<0.1	<1.0	<1.0	<1.0	<1.0
	9/20/2005	<0.1	<1.0	<1.0	<1.0	<1.0
	9/20/2005	<0.1	<1.0	<1.0	<1.0	<1.0
MWT-2/MW-10	3/14/2005	NA	NA	NA	NA	NA
	6/1/2005	<0.1	<1.0	<1.0	<1.0	<1.0
	9/20/2005	<0.1	<1.0	<1.0	<1.0	<1.0
	12/12/2005	<0.1	<1.0	<1.0	<1.0	<1.0

Notes:
NA = Not Analyzed; HRC = Hydrogen Release Compound
MWT-1 and MWT-2 initially constructed as temporary wells and then converted to permanent wells MW-9 and MW-10, respectively
HRC injection activities were conducted at the site on March 15 and 16, 2005



N

APPROXIMATE

0 2000 4000

SCALE IN FEET

U.S.G.S. QUADRANGLE MAP

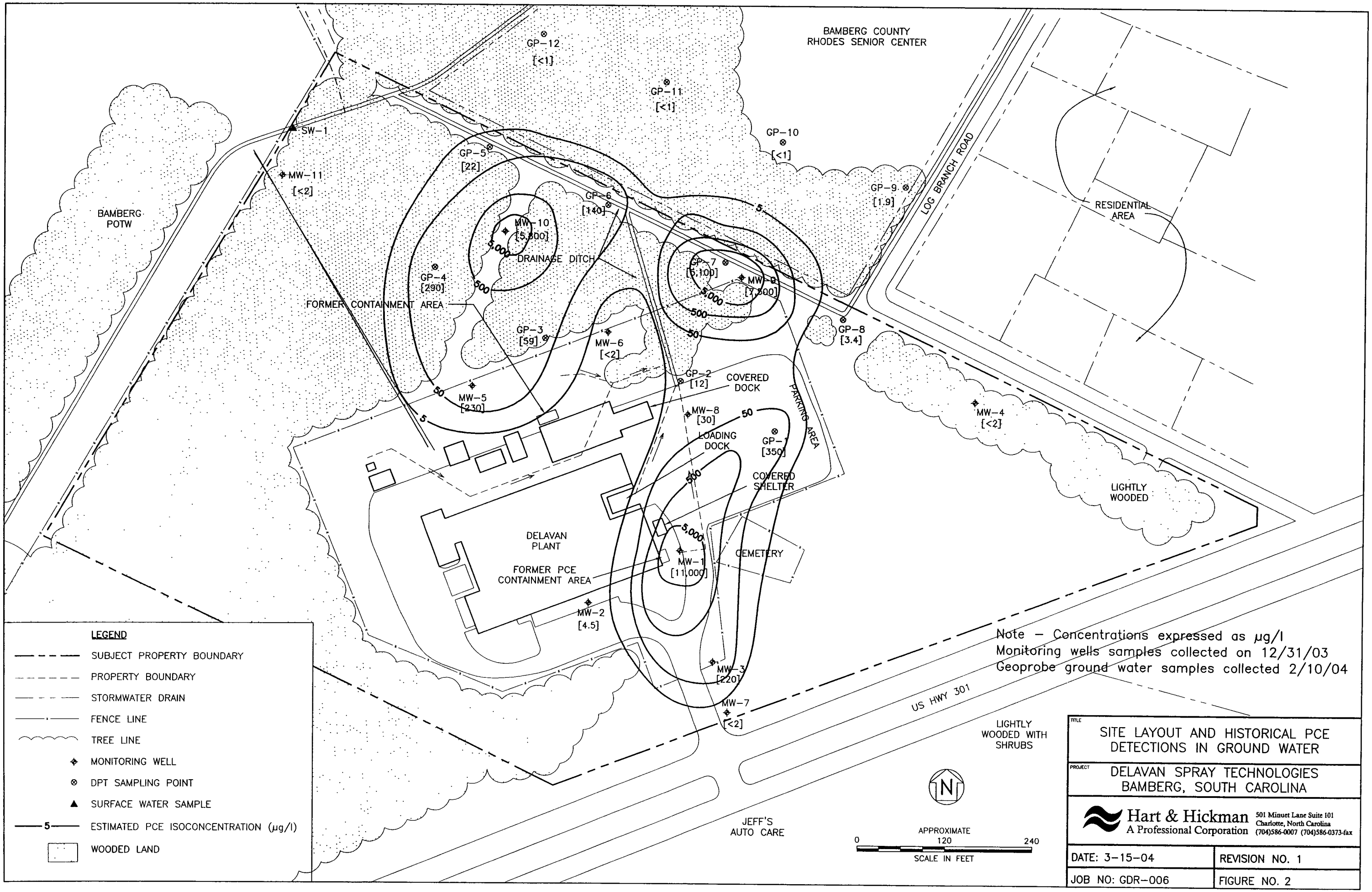
BAMBERG, SC 1979 (PHOTO REVISED 1987)

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE	SITE LOCATION MAP
PROJECT	DELAVAN SPRAY TECHNOLIGIES BAMBERG, SOUTH CAROLINA

Hart & Hickman
A Professional Corporation
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)

DATE:	4-09-04	REVISION NO:	0
JOB NO:	GDR-006	FIGURE NO:	1



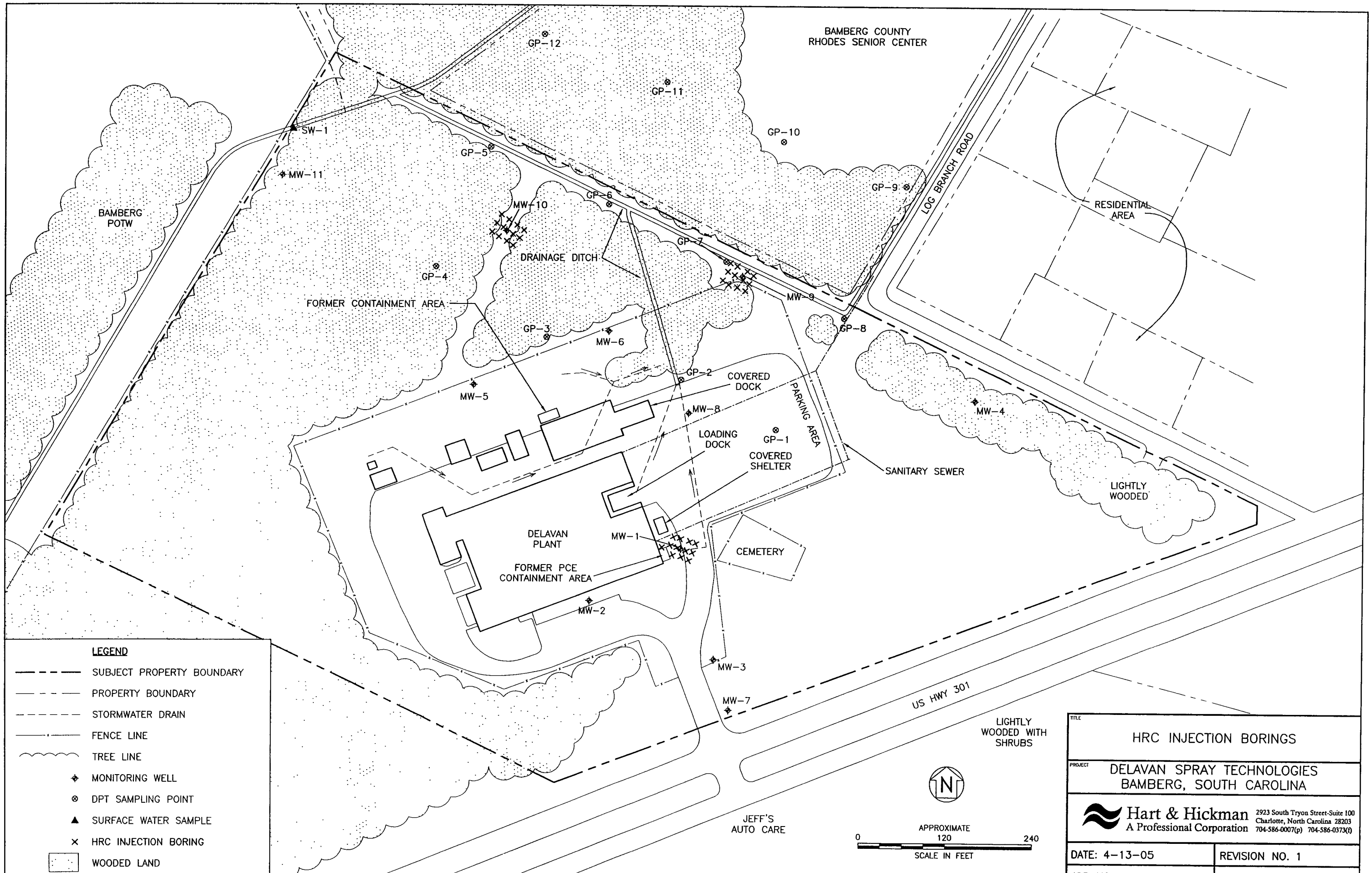
Note – Concentrations expressed as µg/l
Monitoring wells samples collected on 12/31/03
Geoprobe ground water samples collected 2/10/04

TITLE
SITE LAYOUT AND HISTORICAL PCE DETECTIONS IN GROUND WATER

PROJECT
DELAVAN SPRAY TECHNOLOGIES
BAMBERG, SOUTH CAROLINA

Hart & Hickman
A Professional Corporation
501 Minuet Lane Suite 101
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

DATE: 3-15-04	REVISION NO. 1
JOB NO: GDR-006	FIGURE NO. 2



TITLE

HRC INJECTION BORINGS

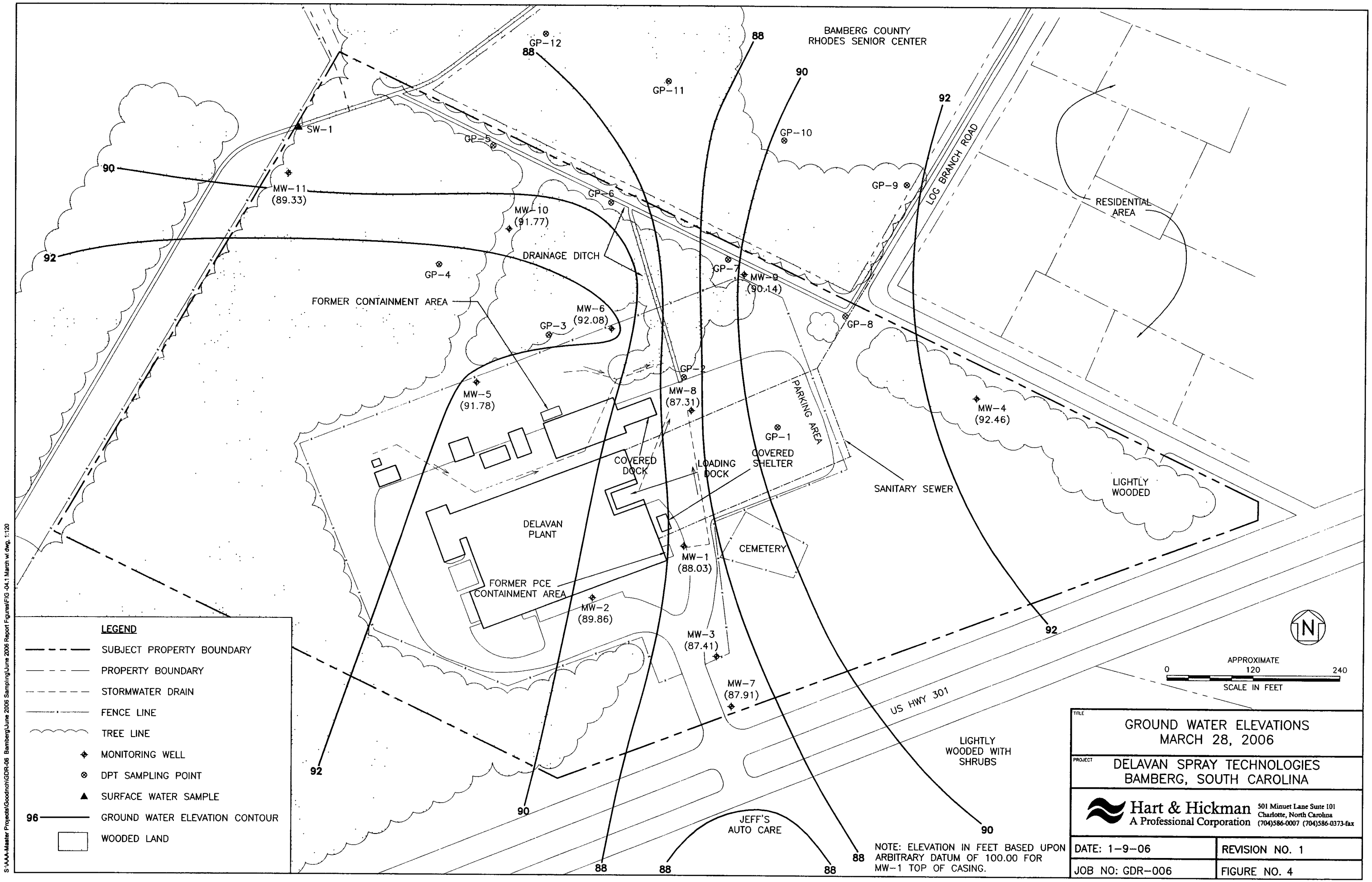
PROJECT

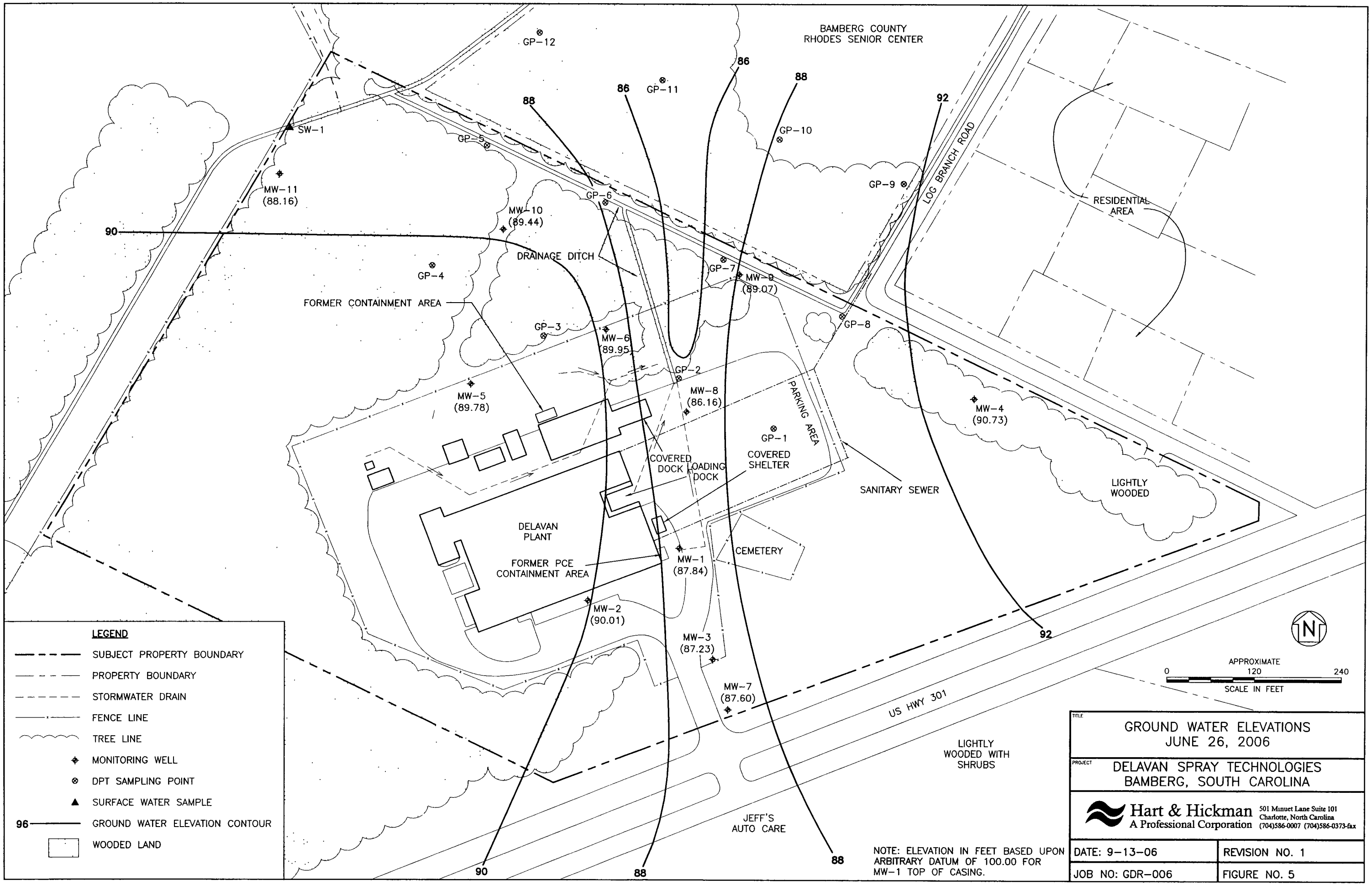
DELAVAN SPRAY TECHNOLOGIES
BAMBERG, SOUTH CAROLINA

Hart & Hickman
A Professional Corporation

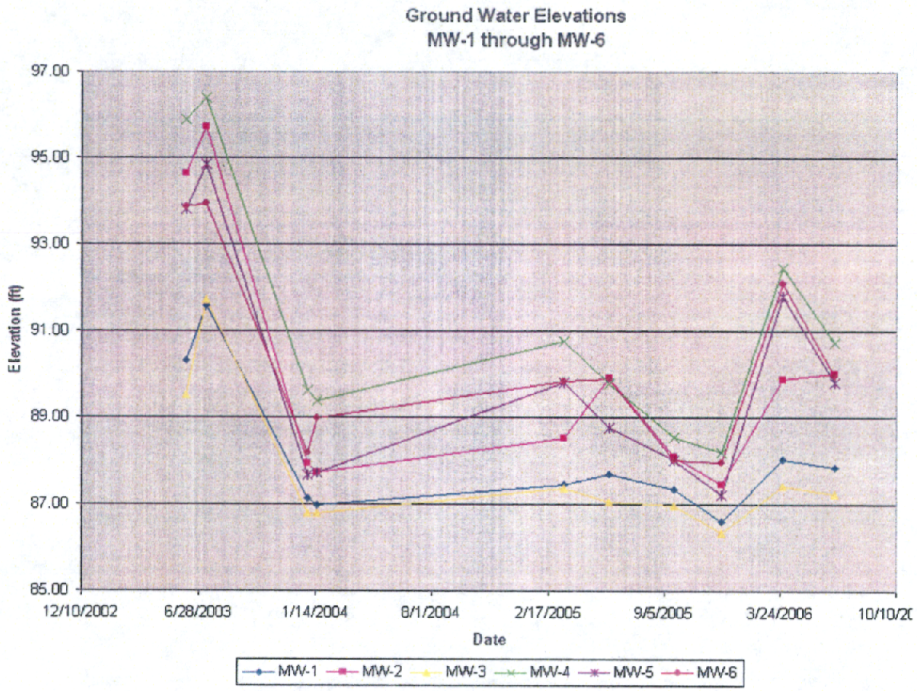
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

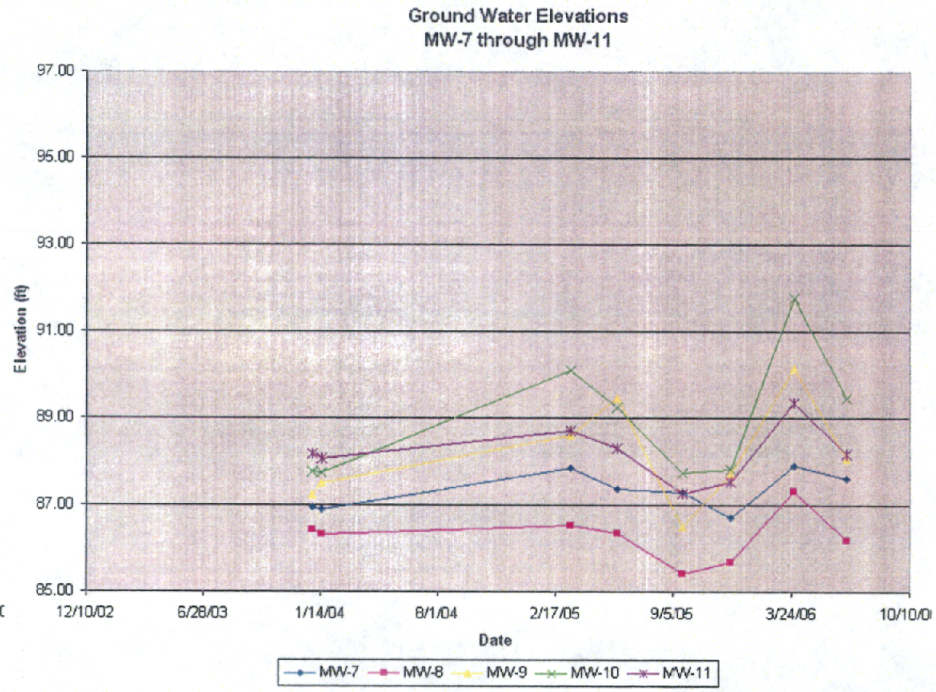
DATE: 4-13-05	REVISION NO. 1
JOB NO: GDR-006	FIGURE NO. 3


BAMBERG COUNTY
RHODES SENIOR CENTER
LOG BRANCH ROAD
RESIDENTIAL AREA
LIGHTLY WOODED
SANITARY SEWER
PARKING AREA
COVERED SHELTER
LOADING DOCK
COVERED DOCK
DELAVAN PLANT
CEMETERY
DRAINAGE DITCH
FORMER CONTAINMENT AREA
FORMER PCE CONTAINMENT AREA
US HWY 301
LIGHTLY WOODED WITH SHRUBS
JEFF'S AUTO CARE
SW-1
GP-1
GP-2
GP-3
GP-4
GP-5
GP-6
GP-7
GP-8
GP-9
GP-10
GP-11
GP-12
MW-1 (88.03)
MW-2 (89.86)
MW-3 (87.41)
MW-4 (92.46)
MW-5 (91.78)
MW-6 (92.08)
MW-7 (87.91)
MW-8 (87.31)
MW-9 (90.14)
MW-10 (91.77)
MW-11 (89.33)
88
90
92
N
APPROXIMATE
0 120 240
SCALE IN FEET
LEGEND
SUBJECT PROPERTY BOUNDARY
PROPERTY BOUNDARY
STORMWATER DRAIN
FENCE LINE
TREE LINE
MONITORING WELL
DPT SAMPLING POINT
SURFACE WATER SAMPLE
96 GROUND WATER ELEVATION CONTOUR
WOODED LAND
NOTE: ELEVATION IN FEET BASED UPON ARBITRARY DATUM OF 100.00 FOR MW-1 TOP OF CASING.
TITLE
GROUND WATER ELEVATIONS
MARCH 28, 2006
PROJECT
DELAVAN SPRAY TECHNOLOGIES
BAMBERG, SOUTH CAROLINA
Hart & Hickman
A Professional Corporation
501 Minuet Lane Suite 101
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax
DATE: 1-9-06
REVISION NO. 1
JOB NO: GDR-006
FIGURE NO. 4
S:\AAA-Master Projects\Goodnch\GDR-06 Bamberg\June 2006 Sampling\June 2006 Report Figures\FIG -04.1 March wl dwg, 1:120



S:\AAA-M...ater Projects\Goodrich\GDR-06 Bamberg\June 2006 Sampling\June 2006 Report Figures\FIG-05.1 June 2006 wl.dwg, 1:120



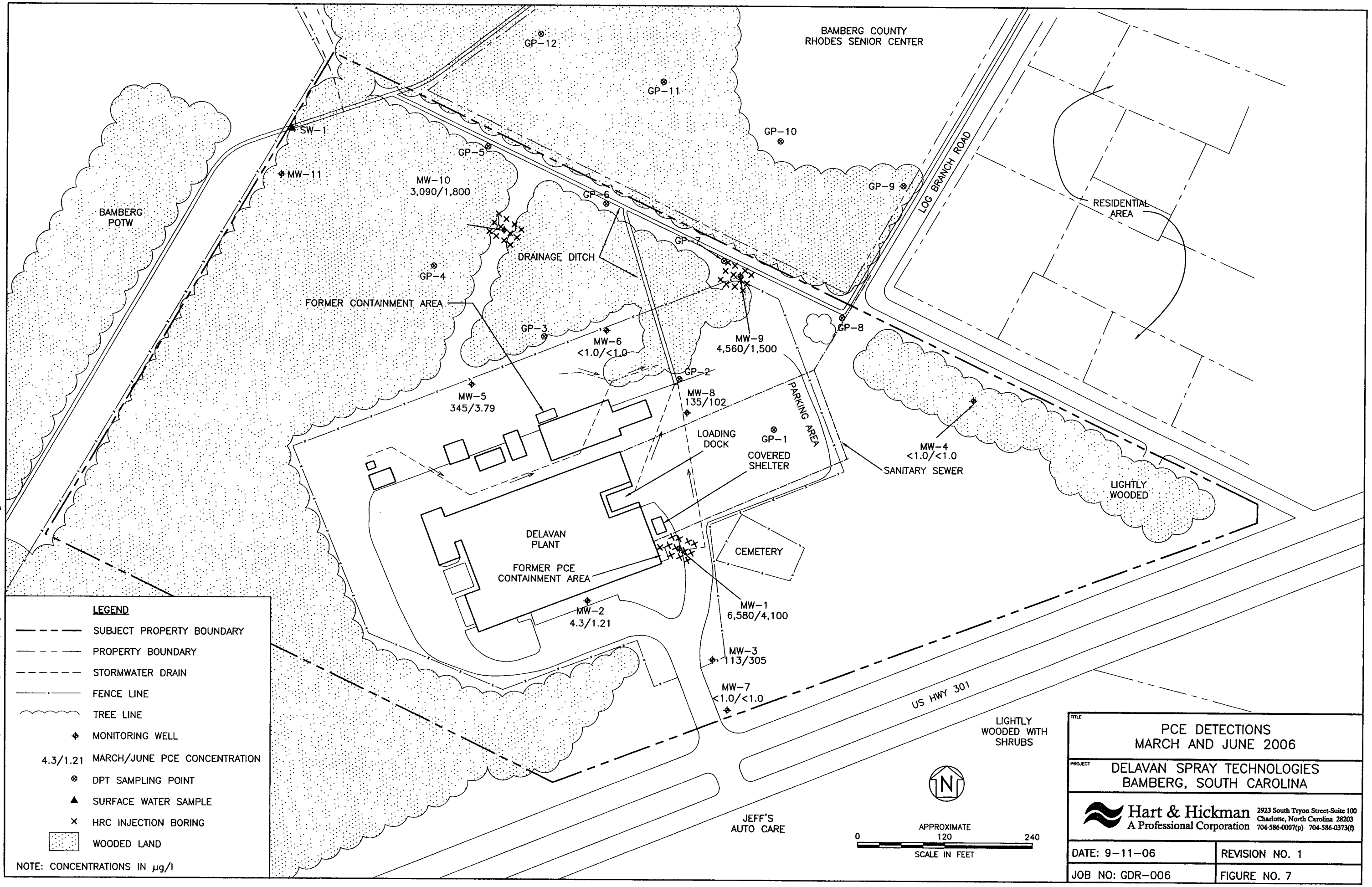


Elevation based on arbitrary elevation of 100.00 ft for MW-1 top of casing

TITLE	GROUND WATER ELEVATION HYDROGRAPHS
PROJECT	DELAVAN SPRAY TECHNOLOGIES BAMBERG, SOUTH CAROLINA

Hart & Hickman
A Professional Corporation
501 Minuet Lane-Suite 101
Charlotte, North Carolina 28217
(704)-586-0007 (704)-586-0373 fax

DATE:	9-14-06	REVISION NO:	0
JOB NO:	GDR-006	FIGURE NO:	6


BAMBERG COUNTY
RHODES SENIOR CENTER
GP-12
GP-11
GP-10
GP-9
GP-8
GP-7
GP-6
GP-5
GP-4
GP-3
GP-2
GP-1
SW-1
MW-11
MW-10
3,090/1,800
MW-9
4,560/1,500
MW-8
135/102
MW-6
<1.0/<1.0
MW-5
345/3.79
MW-4
<1.0/<1.0
MW-2
4.3/1.21
MW-1
6,580/4,100
MW-3
113/305
MW-7
<1.0/<1.0
BAMBERG
POTW
DRAINAGE DITCH
FORMER CONTAINMENT AREA
LOG BRANCH ROAD
RESIDENTIAL
AREA
PARKING AREA
LOADING
DOCK
COVERED
SHELTER
SANITARY SEWER
LIGHTLY
WOODED
DELAVAN
PLANT
FORMER PCE
CONTAINMENT AREA
CEMETERY
US HWY 301
LIGHTLY
WOODED WITH
SHRUBS
JEFF'S
AUTO CARE
N
APPROXIMATE
0
120
240
SCALE IN FEET
LEGEND
SUBJECT PROPERTY BOUNDARY
PROPERTY BOUNDARY
STORMWATER DRAIN
FENCE LINE
TREE LINE
MONITORING WELL
4.3/1.21 MARCH/JUNE PCE CONCENTRATION
DPT SAMPLING POINT
SURFACE WATER SAMPLE
HRC INJECTION BORING
WOODED LAND
NOTE: CONCENTRATIONS IN µg/l
TITLE
PCE DETECTIONS
MARCH AND JUNE 2006
PROJECT
DELAVAN SPRAY TECHNOLOGIES
BAMBERG, SOUTH CAROLINA
Hart & Hickman
A Professional Corporation
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
DATE: 9-11-06
REVISION NO. 1
JOB NO: GDR-006
FIGURE NO. 7
S:\AA-Master Projects\Goodrich\GDR-06 Bamberg\June 2006 Sampling\June 2006 Report Figures\FIG-07 PCE MARCH AND JUNE.dwg, 1:120

BAMBERG COUNTY
RHODES SENIOR CENTER

GP-12
GP-11
GP-10
GP-9
GP-8
GP-7
GP-6
GP-5
GP-4
GP-3
GP-2
GP-1

SW-1

MW-11
[<1.00]

MW-10
[3,090]

MW-9
[1,560]

MW-8
[102]

MW-6
[<1.00]

MW-5
[3.79]

MW-4
[<1.00]

MW-1
[6,580]

MW-2
[1.21]

MW-3
[305]

MW-7
[<1.00]

BAMBERG
POTW

LOG BRANCH ROAD

RESIDENTIAL
AREA

DRAINAGE DITCH

FORMER CONTAINMENT AREA

COVERED
DOCK

PARKING AREA

LOADING
DOCK

COVERED
SHELTER

CEMETERY

DELAVAN
PLANT

FORMER PCE
CONTAINMENT AREA

LIGHTLY
WOODED

LIGHTLY
WOODED WITH
SHRUBS

US HWY 301

JEFF'S
AUTO CARE

5
50
500
5,000

NOTE: CONCENTRATION
DISTRIBUTION INFERRED FROM
HISTORICAL DATA FROM
HISTORICAL DPT SAMPLES

N

APPROXIMATE
0 120 240
SCALE IN FEET

LEGEND

- SUBJECT PROPERTY BOUNDARY
- PROPERTY BOUNDARY
- STORMWATER DRAIN
- FENCE LINE
- TREE LINE
- MONITORING WELL
- DPT SAMPLING POINT
- SURFACE WATER SAMPLE
- 5 ESTIMATED PCE ISOCONCENTRATION (µg/l)
- WOODED LAND

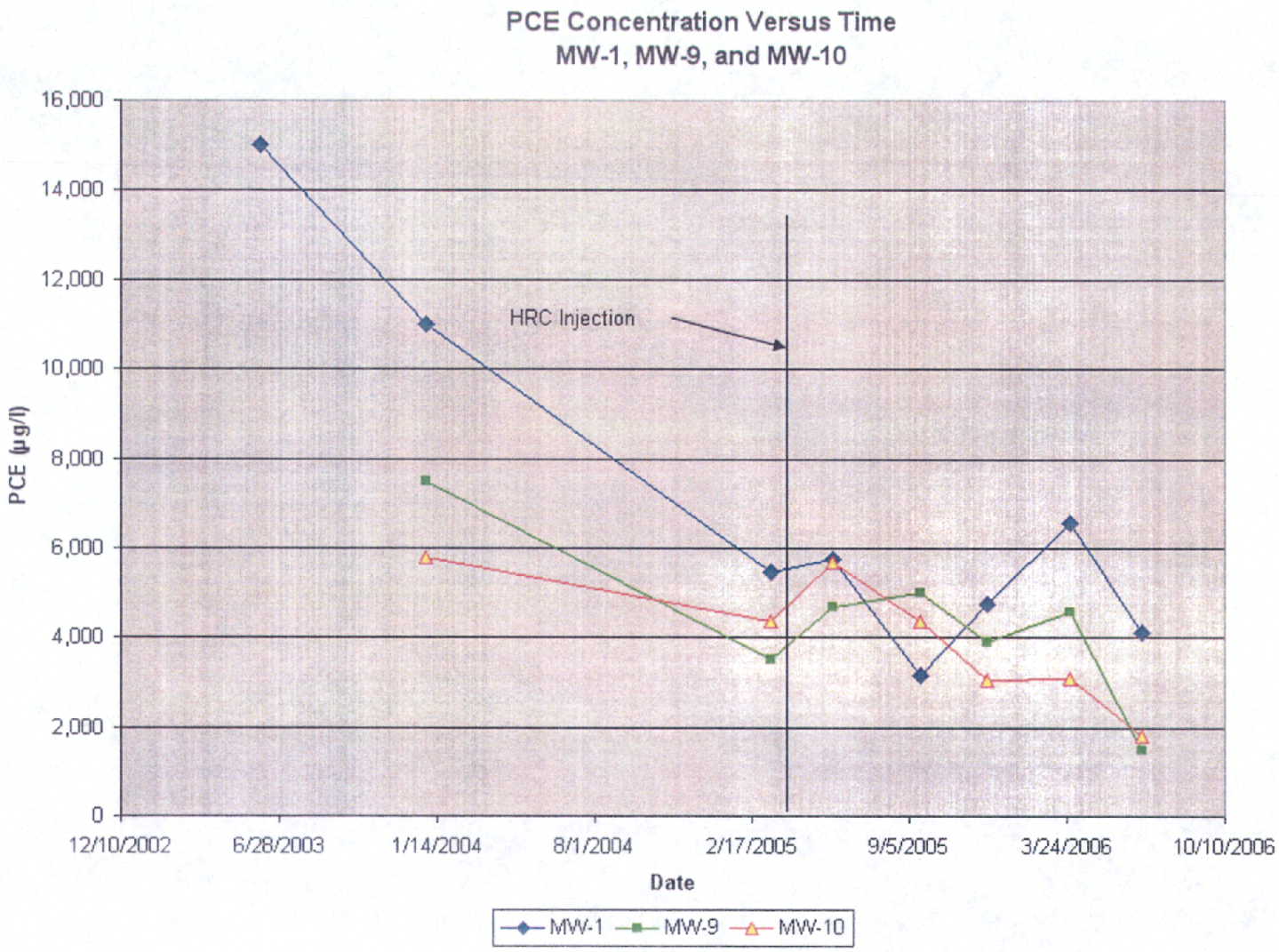
TITLE
PCE CONCENTRATIONS IN GROUND WATER
(MARCH 2006)

PROJECT
DELAVAN SPRAY TECHNOLOGIES
BAMBERG, SOUTH CAROLINA

Hart & Hickman
A Professional Corporation
501 Minuet Lane Suite 101
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

DATE: 9-14-06	REVISION NO. 1
JOB NO: GDR-006	FIGURE NO. 8

S:\AAA-Master Projects\Goodrich\GDR-06 Bamberg\June 2006 Sampling\June 2006 Report Figures\FIG-08 June 2006 PCE.dwg, 1:120



TITLE	PCE VERSUS TIME (MW-1, MW-9, AND MW-10)
PROJECT	DELAVAN SPRAY TECHNOLOGIES BAMBERG, SOUTH CAROLINA

Hart & Hickman
A Professional Corporation
501 Minuet Lane-Suite 101
Charlotte, North Carolina 28217
(704)-586-0007 (704)-586-0373 fax

DATE:	9-14-06	REVISION NO:	0
JOB NO:	GDR-006	FIGURE NO:	9

Appendix A

March 2006 Laboratory Analytical Data

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

RECEIVED
APR 10 2006

April 05, 2006

Client: Hart & Hickman (2162)
2923 South Tyron Street, Suite 100
Charlotte, NC 28203-5449
Attn: Mike Crouch

Work Order: NPC3607
Project Name: Goodrich - Delavan
Project Nbr: GDR-006
P/O Nbr:
Date Received: 03/29/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NPC3607-01	03/28/06 15:30
MW-2	NPC3607-02	03/28/06 12:20
MW-3	NPC3607-03	03/28/06 12:05
MW-4	NPC3607-04	03/28/06 11:20
MW-5	NPC3607-05	03/28/06 13:35
MW-6	NPC3607-06	03/28/06 12:40
MW-7	NPC3607-07	03/28/06 11:40
MW-8	NPC3607-08	03/28/06 13:15
MW-9	NPC3607-09	03/28/06 15:00
MW-10	NPC3607-10	03/28/06 14:15
MW-11	NPC3607-11	03/28/06 10:45

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

South Carolina Certification Number: DW:84009002; Other:84009001

The Chain(s) of Custody, 4 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:

Roxanne L. Connor

Roxanne Connor
Senior Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162)	Work Order:	NPC3607
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPC3607-01 (MW-1 - Ground Water) Sampled: 03/28/06 15:30								
General Chemistry Parameters								
Chloride	**6.15**		mg/L	1.00	1	03/29/06 23:40	SW846 9056	6035528
Nitrate as N	**1.32**		mg/L	0.100	1	03/29/06 23:40	SW846 9056	6035528
Sulfate	ND		mg/L	1.00	1	03/31/06 22:24	SW846 9056	6035528
Total Organic Carbon	ND		mg/L	1.00	1	03/29/06 12:13	SW846 9060	6035061
Methane, Ethane, and Ethene by GC								
Methane	ND		ug/L	26.0	1	03/30/06 17:19	RSK 175	6035438
Surr: Acetylene (70-130%)	*92 %*					*03/30/06 17:19*	*RSK 175*	*6035438*
Volatile Organic Compounds by EPA Method 8260B								
Bromodichloromethane	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Bromoform	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Bromomethane	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Carbon Tetrachloride	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Chlorobenzene	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Chlorodibromomethane	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Chloroethane	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Chloroform	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Chloromethane	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
1,4-Dichlorobenzene	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
1,3-Dichlorobenzene	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
1,2-Dichlorobenzene	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
1,1-Dichloroethane	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
1,2-Dichloroethane	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
cis-1,2-Dichloroethene	**11.9**		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
1,1-Dichloroethene	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
1,2-Dichloropropane	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Methylene Chloride	ND		ug/L	5.00	1	03/31/06 21:15	SW846 8260B	6036043
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Tetrachloroethene	**6580**		ug/L	100	100	04/01/06 14:28	SW846 8260B	6040319
1,1,2-Trichloroethane	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
1,1,1-Trichloroethane	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Trichloroethene	**48.1**		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Trichlorofluoromethane	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Vinyl chloride	ND		ug/L	1.00	1	03/31/06 21:15	SW846 8260B	6036043
Surr: 1,2-Dichloroethane-d4 (70-130%)	*124 %*					*03/31/06 21:15*	*SW846 8260B*	*6036043*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*103 %*					*04/01/06 14:28*	*SW846 8260B*	*6040319*
Surr: Dibromofluoromethane (79-122%)	*114 %*					*03/31/06 21:15*	*SW846 8260B*	*6036043*
Surr: Dibromofluoromethane (79-122%)	*107 %*					*04/01/06 14:28*	*SW846 8260B*	*6040319*
Surr: Toluene-d8 (78-121%)	*102 %*					*03/31/06 21:15*	*SW846 8260B*	*6036043*
Surr: Toluene-d8 (78-121%)	*106 %*					*04/01/06 14:28*	*SW846 8260B*	*6040319*
Surr: 4-Bromofluorobenzene (78-126%)	*98 %*					*03/31/06 21:15*	*SW846 8260B*	*6036043*

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NPC3607
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPC3607-01RE1 (MW-1 - Ground Water) - cont. Sampled: 03/28/06 15:30								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 4-Bromofluorobenzene (78-126%)	*111 %*					*04/01/06 14:28*	*SW846 8260B*	*6040319*
Sample ID: NPC3607-02 (MW-2 - Ground Water) Sampled: 03/28/06 12:20								
Volatile Organic Compounds by EPA Method 8260B								
Bromodichloromethane	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Bromoform	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Bromomethane	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Carbon Tetrachloride	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Chlorobenzene	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Chlorodibromomethane	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Chloroethane	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Chloroform	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Chloromethane	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
1,4-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
1,3-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
1,2-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
1,1-Dichloroethane	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
1,2-Dichloroethane	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
1,1-Dichloroethene	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
1,2-Dichloropropane	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Methylene Chloride	ND		ug/L	5.00	1	04/01/06 01:51	SW846 8260B	6035711
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Tetrachloroethene	**1.21**		ug/L	1.00	1	04/01/06 16:56	SW846 8260B	6040319
1,1,2-Trichloroethane	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
1,1,1-Trichloroethane	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Trichloroethene	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Trichlorofluoromethane	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Vinyl chloride	ND		ug/L	1.00	1	04/01/06 01:51	SW846 8260B	6035711
Surr: 1,2-Dichloroethane-d4 (70-130%)	*125 %*					*04/01/06 01:51*	*SW846 8260B*	*6035711*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*105 %*					*04/01/06 16:56*	*SW846 8260B*	*6040319*
Surr: Dibromofluoromethane (79-122%)	*114 %*					*04/01/06 01:51*	*SW846 8260B*	*6035711*
Surr: Dibromofluoromethane (79-122%)	*109 %*					*04/01/06 16:56*	*SW846 8260B*	*6040319*
Surr: Toluene-d8 (78-121%)	*100 %*					*04/01/06 01:51*	*SW846 8260B*	*6035711*
Surr: Toluene-d8 (78-121%)	*100 %*					*04/01/06 16:56*	*SW846 8260B*	*6040319*
Surr: 4-Bromofluorobenzene (78-126%)	*99 %*					*04/01/06 01:51*	*SW846 8260B*	*6035711*
Surr: 4-Bromofluorobenzene (78-126%)	*108 %*					*04/01/06 16:56*	*SW846 8260B*	*6040319*

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Hart & Hickman (2162)
2923 South Tyron Street, Suite 100
Charlotte, NC 28203-5449
Attn Mike Crouch

Work Order: NPC3607
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 03/29/06 08:00

ANALYTICAL REPORT

Sample ID: NPC3607-03 (MW-3 - Ground Water) Sampled: 03/28/06 12:05

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Bromodichloromethane	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Bromoform	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Bromomethane	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Carbon Tetrachloride	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Chlorobenzene	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Chlorodibromomethane	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Chloroethane	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Chloroform	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Chloromethane	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
1,4-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
1,3-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
1,2-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
1,1-Dichloroethane	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
1,2-Dichloroethane	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
1,1-Dichloroethene	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
1,2-Dichloropropane	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Methylene Chloride	ND		ug/L	5.00	1	04/01/06 02:17	SW846 8260B	6035711
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Tetrachloroethene	**305**		ug/L	5.00	5	04/01/06 14:53	SW846 8260B	6040319
1,1,2-Trichloroethane	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
1,1,1-Trichloroethane	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Trichloroethene	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Trichlorofluoromethane	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Vinyl chloride	ND		ug/L	1.00	1	04/01/06 02:17	SW846 8260B	6035711
Surr: 1,2-Dichloroethane-d4 (70-130%)	*121 %*					*04/01/06 02:17*	*SW846 8260B*	*6035711*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*105 %*					*04/01/06 14:53*	*SW846 8260B*	*6040319*
Surr: Dibromofluoromethane (79-122%)	*112 %*					*04/01/06 02:17*	*SW846 8260B*	*6035711*
Surr: Dibromofluoromethane (79-122%)	*107 %*					*04/01/06 14:53*	*SW846 8260B*	*6040319*
Surr: Toluene-d8 (78-121%)	*101 %*					*04/01/06 02:17*	*SW846 8260B*	*6035711*
Surr: Toluene-d8 (78-121%)	*107 %*					*04/01/06 14:53*	*SW846 8260B*	*6040319*
Surr: 4-Bromofluorobenzene (78-126%)	*98 %*					*04/01/06 02:17*	*SW846 8260B*	*6035711*
Surr: 4-Bromofluorobenzene (78-126%)	*109 %*					*04/01/06 14:53*	*SW846 8260B*	*6040319*

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NPC3607
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPC3607-04 (MW-4 - Ground Water) Sampled: 03/28/06 11:20								
Volatile Organic Compounds by EPA Method 8260B								
Bromodichloromethane	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Bromoform	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Bromomethane	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Carbon Tetrachloride	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Chlorobenzene	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Chlorodibromomethane	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Chloroethane	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Chloroform	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Chloromethane	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
1,4-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
1,3-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
1,2-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
1,1-Dichloroethane	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
1,2-Dichloroethane	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
1,1-Dichloroethene	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
1,2-Dichloropropane	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Methylene Chloride	ND		ug/L	5.00	1	04/01/06 02:42	SW846 8260B	6035711
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Tetrachloroethene	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
1,1,2-Trichloroethane	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
1,1,1-Trichloroethane	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Trichloroethene	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Trichlorofluoromethane	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Vinyl chloride	ND		ug/L	1.00	1	04/01/06 02:42	SW846 8260B	6035711
Surr: 1,2-Dichloroethane-d4 (70-130%)	*123 %*					*04/01/06 02:42*	*SW846 8260B*	*6035711*
Surr: Dibromofluoromethane (79-122%)	*113 %*					*04/01/06 02:42*	*SW846 8260B*	*6035711*
Surr: Toluene-d8 (78-121%)	*102 %*					*04/01/06 02:42*	*SW846 8260B*	*6035711*
Surr: 4-Bromofluorobenzene (78-126%)	*101 %*					*04/01/06 02:42*	*SW846 8260B*	*6035711*

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162)	Work Order:	NPC3607
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

ANALYTICAL REPORT

Sample ID: NPC3607-05 (MW-5 - Ground Water) Sampled: 03/28/06 13:35

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Bromodichloromethane	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Bromoform	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Bromomethane	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Carbon Tetrachloride	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Chlorobenzene	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Chlorodibromomethane	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Chloroethane	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Chloroform	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Chloromethane	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
1,4-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
1,3-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
1,2-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
1,1-Dichloroethane	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
1,2-Dichloroethane	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
1,1-Dichloroethene	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
1,2-Dichloropropane	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Methylene Chloride	ND		ug/L	5.00	1	04/01/06 03:07	SW846 8260B	6035711
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Tetrachloroethene	**3.79**		ug/L	1.00	1	04/01/06 17:20	SW846 8260B	6040319
1,1,2-Trichloroethane	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
1,1,1-Trichloroethane	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Trichloroethene	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Trichlorofluoromethane	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Vinyl chloride	ND		ug/L	1.00	1	04/01/06 03:07	SW846 8260B	6035711
Surr: 1,2-Dichloroethane-d4 (70-130%)	*127 %*					*04/01/06 03:07*	*SW846 8260B*	*6035711*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*105 %*					*04/01/06 17:20*	*SW846 8260B*	*6040319*
Surr: Dibromofluoromethane (79-122%)	*114 %*					*04/01/06 03:07*	*SW846 8260B*	*6035711*
Surr: Dibromofluoromethane (79-122%)	*108 %*					*04/01/06 17:20*	*SW846 8260B*	*6040319*
Surr: Toluene-d8 (78-121%)	*100 %*					*04/01/06 03:07*	*SW846 8260B*	*6035711*
Surr: Toluene-d8 (78-121%)	*106 %*					*04/01/06 17:20*	*SW846 8260B*	*6040319*
Surr: 4-Bromofluorobenzene (78-126%)	*98 %*					*04/01/06 03:07*	*SW846 8260B*	*6035711*
Surr: 4-Bromofluorobenzene (78-126%)	*110 %*					*04/01/06 17:20*	*SW846 8260B*	*6040319*

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162)	Work Order:	NPC3607
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

ANALYTICAL REPORT

Sample ID: NPC3607-06 (MW-6 - Ground Water) Sampled: 03/28/06 12:40

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Bromodichloromethane	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Bromoform	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Bromomethane	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Carbon Tetrachloride	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Chlorobenzene	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Chlorodibromomethane	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Chloroethane	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Chloroform	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Chloromethane	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
1,4-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
1,3-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
1,2-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
1,1-Dichloroethane	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
1,2-Dichloroethane	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
1,1-Dichloroethene	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
1,2-Dichloropropane	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Methylene Chloride	ND		ug/L	5.00	1	04/01/06 03:32	SW846 8260B	6035711
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Tetrachloroethene	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
1,1,2-Trichloroethane	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
1,1,1-Trichloroethane	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Trichloroethene	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Trichlorofluoromethane	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Vinyl chloride	ND		ug/L	1.00	1	04/01/06 03:32	SW846 8260B	6035711
Surr: 1,2-Dichloroethane-d4 (70-130%)	*123 %*					*04/01/06 03:32*	*SW846 8260B*	*6035711*
Surr: Dibromofluoromethane (79-122%)	*113 %*					*04/01/06 03:32*	*SW846 8260B*	*6035711*
Surr: Toluene-d8 (78-121%)	*99 %*					*04/01/06 03:32*	*SW846 8260B*	*6035711*
Surr: 4-Bromofluorobenzene (78-126%)	*99 %*					*04/01/06 03:32*	*SW846 8260B*	*6035711*

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NPC3607
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

ANALYTICAL REPORT

Sample ID: NPC3607-07 (MW-7 - Ground Water) Sampled: 03/28/06 11:40

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Bromodichloromethane	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Bromoform	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Bromomethane	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Carbon Tetrachloride	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Chlorobenzene	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Chlorodibromomethane	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Chloroethane	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Chloroform	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Chloromethane	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
1,4-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
1,3-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
1,2-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
1,1-Dichloroethane	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
1,2-Dichloroethane	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
1,1-Dichloroethene	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
1,2-Dichloropropane	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Methylene Chloride	ND		ug/L	5.00	1	04/01/06 03:57	SW846 8260B	6035711
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Tetrachloroethene	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
1,1,2-Trichloroethane	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
1,1,1-Trichloroethane	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Trichloroethene	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Trichlorofluoromethane	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Vinyl chloride	ND		ug/L	1.00	1	04/01/06 03:57	SW846 8260B	6035711
Surr: 1,2-Dichloroethane-d4 (70-130%)	*127 %*					*04/01/06 03:57*	*SW846 8260B*	*6035711*
Surr: Dibromofluoromethane (79-122%)	*116 %*					*04/01/06 03:57*	*SW846 8260B*	*6035711*
Surr: Toluene-d8 (78-121%)	*98 %*					*04/01/06 03:57*	*SW846 8260B*	*6035711*
Surr: 4-Bromofluorobenzene (78-126%)	*98 %*					*04/01/06 03:57*	*SW846 8260B*	*6035711*

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NPC3607
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPC3607-08 (MW-8 - Ground Water) Sampled: 03/28/06 13:15								
Volatile Organic Compounds by EPA Method 8260B								
Bromodichloromethane	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Bromoform	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Bromomethane	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Carbon Tetrachloride	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Chlorobenzene	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Chlorodibromomethane	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Chloroethane	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Chloroform	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Chloromethane	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
1,4-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
1,3-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
1,2-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
1,1-Dichloroethane	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
1,2-Dichloroethane	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
1,1-Dichloroethene	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
1,2-Dichloropropane	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Methylene Chloride	ND		ug/L	5.00	1	04/01/06 04:22	SW846 8260B	6035711
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Tetrachloroethene	**102**		ug/L	1.00	1	04/01/06 17:45	SW846 8260B	6040319
1,1,2-Trichloroethane	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
1,1,1-Trichloroethane	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Trichloroethene	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Trichlorofluoromethane	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Vinyl chloride	ND		ug/L	1.00	1	04/01/06 04:22	SW846 8260B	6035711
Surr: 1,2-Dichloroethane-d4 (70-130%)	*125 %*					*04/01/06 04:22*	*SW846 8260B*	*6035711*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*105 %*					*04/01/06 17:45*	*SW846 8260B*	*6040319*
Surr: Dibromofluoromethane (79-122%)	*114 %*					*04/01/06 04:22*	*SW846 8260B*	*6035711*
Surr: Dibromofluoromethane (79-122%)	*109 %*					*04/01/06 17:45*	*SW846 8260B*	*6040319*
Surr: Toluene-d8 (78-121%)	*101 %*					*04/01/06 04:22*	*SW846 8260B*	*6035711*
Surr: Toluene-d8 (78-121%)	*107 %*					*04/01/06 17:45*	*SW846 8260B*	*6040319*
Surr: 4-Bromofluorobenzene (78-126%)	*97 %*					*04/01/06 04:22*	*SW846 8260B*	*6035711*
Surr: 4-Bromofluorobenzene (78-126%)	*109 %*					*04/01/06 17:45*	*SW846 8260B*	*6040319*

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ANALYTICAL TESTING CORPORATION
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Client	Hart & Hickman (2162)	Work Order:	NPC3607
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPC3607-09 (MW-9 - Ground Water) Sampled: 03/28/06 15:00								
General Chemistry Parameters								
Chloride	**2.61**		mg/L	1.00	1	03/30/06 04:42	SW846 9056	6035528
Nitrate as N	**0.182**		mg/L	0.100	1	03/30/06 04:42	SW846 9056	6035528
Sulfate	**3.16**		mg/L	1.00	1	04/01/06 03:26	SW846 9056	6035528
Total Organic Carbon	**3.11**		mg/L	1.00	1	03/29/06 12:13	SW846 9060	6035061
Methane, Ethane, and Ethene by GC								
Methane	ND		ug/L	26.0	1	03/30/06 17:33	RSK 175	6035438
Surr: Acetylene (70-130%)	*95 %*					*03/30/06 17:33*	*RSK 175*	*6035438*
Volatile Organic Compounds by EPA Method 8260B								
Bromodichloromethane	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Bromoform	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Bromomethane	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Carbon Tetrachloride	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Chlorobenzene	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Chlorodibromomethane	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Chloroethane	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Chloroform	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Chloromethane	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
1,4-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
1,3-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
1,2-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
1,1-Dichloroethane	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
1,2-Dichloroethane	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
cis-1,2-Dichloroethene	**362**		ug/L	10.0	10	04/01/06 15:17	SW846 8260B	6040319
1,1-Dichloroethene	**8.51**		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
trans-1,2-Dichloroethene	**1.57**		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
1,2-Dichloropropane	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Methylene Chloride	ND		ug/L	5.00	1	04/01/06 04:47	SW846 8260B	6035711
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Tetrachloroethene	**4560**		ug/L	100	100	04/01/06 15:42	SW846 8260B	6040319
1,1,2-Trichloroethane	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
1,1,1-Trichloroethane	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Trichloroethene	**372**		ug/L	10.0	10	04/01/06 15:17	SW846 8260B	6040319
Trichlorofluoromethane	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Vinyl chloride	ND		ug/L	1.00	1	04/01/06 04:47	SW846 8260B	6035711
Surr: 1,2-Dichloroethane-d4 (70-130%)	*125 %*					*04/01/06 04:47*	*SW846 8260B*	*6035711*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*102 %*					*04/01/06 15:17*	*SW846 8260B*	*6040319*
Surr: Dibromofluoromethane (79-122%)	*114 %*					*04/01/06 04:47*	*SW846 8260B*	*6035711*
Surr: Dibromofluoromethane (79-122%)	*107 %*					*04/01/06 15:17*	*SW846 8260B*	*6040319*
Surr: Toluene-d8 (78-121%)	*102 %*					*04/01/06 04:47*	*SW846 8260B*	*6035711*
Surr: Toluene-d8 (78-121%)	*107 %*					*04/01/06 15:17*	*SW846 8260B*	*6040319*
Surr: 4-Bromofluorobenzene (78-126%)	*99 %*					*04/01/06 04:47*	*SW846 8260B*	*6035711*

Client	Hart & Hickman (2162)	Work Order:	NPC3607
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPC3607-09RE1 (MW-9 - Ground Water) - cont. Sampled: 03/28/06 15:00								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 4-Bromofluorobenzene (78-126%)	*110 %*					*04/01/06 15:17*	*SW846 8260B*	*6040319*
Sample ID: NPC3607-10 (MW-10 - Ground Water) Sampled: 03/28/06 14:15								
General Chemistry Parameters								
Chloride	**3.93**		mg/L	1.00	1	03/30/06 04:57	SW846 9056	6035528
Nitrate as N	**0.201**		mg/L	0.100	1	03/30/06 04:57	SW846 9056	6035528
Sulfate	**1.01**		mg/L	1.00	1	04/01/06 18:50	SW846 9056	6035528
Total Organic Carbon	ND		mg/L	1.00	1	03/29/06 12:13	SW846 9060	6035061
Methane, Ethane, and Ethene by GC								
Methane	ND		ug/L	26.0	1	03/30/06 17:36	RSK 175	6035438
Surr: Acetylene (70-130%)	*96 %*					*03/30/06 17:36*	*RSK 175*	*6035438*
Volatile Organic Compounds by EPA Method 8260B								
Bromodichloromethane	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Bromoform	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Bromomethane	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Carbon Tetrachloride	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Chlorobenzene	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Chlorodibromomethane	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Chloroethane	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Chloroform	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Chloromethane	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
1,4-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
1,3-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
1,2-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
1,1-Dichloroethane	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
1,2-Dichloroethane	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
cis-1,2-Dichloroethene	**16.8**		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
1,1-Dichloroethene	**13.4**		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
1,2-Dichloropropane	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Methylene Chloride	ND		ug/L	5.00	1	04/01/06 05:12	SW846 8260B	6035711
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Tetrachloroethene	**3090**		ug/L	50.0	50	04/01/06 16:06	SW846 8260B	6040319
1,1,2-Trichloroethane	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
1,1,1-Trichloroethane	**6.10**		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Trichloroethene	**27.4**		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Trichlorofluoromethane	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Vinyl chloride	ND		ug/L	1.00	1	04/01/06 05:12	SW846 8260B	6035711
Surr: 1,2-Dichloroethane-d4 (70-130%)	*126 %*					*04/01/06 05:12*	*SW846 8260B*	*6035711*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*103 %*					*04/01/06 16:06*	*SW846 8260B*	*6040319*
Surr: Dibromofluoromethane (79-122%)	*116 %*					*04/01/06 05:12*	*SW846 8260B*	*6035711*

Client	Hart & Hickman (2162)	Work Order:	NPC3607
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

ANALYTICAL REPORT

Sample ID: NPC3607-10RE1 (MW-10 - Ground Water) - cont. Sampled: 03/28/06 14:15

Volatile Organic Compounds by EPA Method 8260B - cont.

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Surr: Dibromofluoromethane (79-122%)	*108 %*					*04/01/06 16:06*	*SW846 8260B*	*6040319*
Surr: Toluene-d8 (78-121%)	*100 %*					*04/01/06 05:12*	*SW846 8260B*	*6035711*
Surr: Toluene-d8 (78-121%)	*106 %*					*04/01/06 16:06*	*SW846 8260B*	*6040319*
Surr: 4-Bromofluorobenzene (78-126%)	*97 %*					*04/01/06 05:12*	*SW846 8260B*	*6035711*
Surr: 4-Bromofluorobenzene (78-126%)	*111 %*					*04/01/06 16:06*	*SW846 8260B*	*6040319*

Sample ID: NPC3607-11 (MW-11 - Ground Water) Sampled: 03/28/06 10:45

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Bromodichloromethane	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Bromoform	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Bromomethane	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Carbon Tetrachloride	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Chlorobenzene	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Chlorodibromomethane	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Chloroethane	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Chloroform	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Chloromethane	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
1,4-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
1,3-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
1,2-Dichlorobenzene	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
1,1-Dichloroethane	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
1,2-Dichloroethane	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
1,1-Dichloroethene	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
1,2-Dichloropropane	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Methylene Chloride	ND		ug/L	5.00	1	04/01/06 05:37	SW846 8260B	6035711
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Tetrachloroethene	ND		ug/L	1.00	1	04/01/06 12:50	SW846 8260B	6040319
1,1,2-Trichloroethane	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
1,1,1-Trichloroethane	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Trichloroethene	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Trichlorofluoromethane	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Vinyl chloride	ND		ug/L	1.00	1	04/01/06 05:37	SW846 8260B	6035711
Surr: 1,2-Dichloroethane-d4 (70-130%)	*125 %*					*04/01/06 05:37*	*SW846 8260B*	*6035711*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*103 %*					*04/01/06 12:50*	*SW846 8260B*	*6040319*
Surr: Dibromofluoromethane (79-122%)	*115 %*					*04/01/06 05:37*	*SW846 8260B*	*6035711*
Surr: Dibromofluoromethane (79-122%)	*106 %*					*04/01/06 12:50*	*SW846 8260B*	*6040319*
Surr: Toluene-d8 (78-121%)	*102 %*					*04/01/06 05:37*	*SW846 8260B*	*6035711*
Surr: Toluene-d8 (78-121%)	*107 %*					*04/01/06 12:50*	*SW846 8260B*	*6040319*
Surr: 4-Bromofluorobenzene (78-126%)	*99 %*					*04/01/06 05:37*	*SW846 8260B*	*6035711*
Surr: 4-Bromofluorobenzene (78-126%)	*106 %*					*04/01/06 12:50*	*SW846 8260B*	*6040319*

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ANALYTICAL TESTING CORPORATION
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Client Hart & Hickman (2162)
2923 South Tyron Street, Suite 100
Charlotte, NC 28203-5449
Attn Mike Crouch

Work Order: NPC3607
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 03/29/06 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
6035061-BLK1						
Total Organic Carbon	<0 230		mg/L	6035061	6035061-BLK1	03/29/06 12:13
6035528-BLK1						
Chloride	<0.500		mg/L	6035528	6035528-BLK1	03/29/06 22.57
Nitrate as N	<0.0500		mg/L	6035528	6035528-BLK1	03/29/06 22:57
Sulfate	<0 500		mg/L	6035528	6035528-BLK1	03/31/06 21:41
Methane, Ethane, and Ethene by GC						
6035438-BLK1						
Methane	<5.00		ug/L	6035438	6035438-BLK1	03/30/06 15.58
Surrogate. Acetylene	99%			6035438	6035438-BLK1	03/30/06 15:58
Volatile Organic Compounds by EPA Method 8260B						
6035711-BLK1						
Bromodichloromethane	<0.380		ug/L	6035711	6035711-BLK1	04/01/06 00.36
Bromoform	<0 500		ug/L	6035711	6035711-BLK1	04/01/06 00.36
Bromomethane	<0 600		ug/L	6035711	6035711-BLK1	04/01/06 00 36
Carbon Tetrachloride	<0.480		ug/L	6035711	6035711-BLK1	04/01/06 00 36
Chlorobenzene	<0.320		ug/L	6035711	6035711-BLK1	04/01/06 00 36
Chlorodibromomethane	<0 360		ug/L	6035711	6035711-BLK1	04/01/06 00 36
Chloroethane	<0.500		ug/L	6035711	6035711-BLK1	04/01/06 00 36
Chloroform	<0.380		ug/L	6035711	6035711-BLK1	04/01/06 00:36
Chloromethane	<0.460		ug/L	6035711	6035711-BLK1	04/01/06 00:36
1,4-Dichlorobenzene	<0.460		ug/L	6035711	6035711-BLK1	04/01/06 00.36
1,3-Dichlorobenzene	<0 360		ug/L	6035711	6035711-BLK1	04/01/06 00 36
1,2-Dichlorobenzene	<0.370		ug/L	6035711	6035711-BLK1	04/01/06 00 36
1,1-Dichloroethane	<0.320		ug/L	6035711	6035711-BLK1	04/01/06 00:36
1,2-Dichloroethane	<0 280		ug/L	6035711	6035711-BLK1	04/01/06 00:36
cis-1,2-Dichloroethene	<0 390		ug/L	6035711	6035711-BLK1	04/01/06 00:36
1,1-Dichloroethene	<0 450		ug/L	6035711	6035711-BLK1	04/01/06 00 36
trans-1,2-Dichloroethene	<0.340		ug/L	6035711	6035711-BLK1	04/01/06 00.36
1,2-Dichloropropane	<0 500		ug/L	6035711	6035711-BLK1	04/01/06 00.36
cis-1,3-Dichloropropene	<0 450		ug/L	6035711	6035711-BLK1	04/01/06 00:36
trans-1,3-Dichloropropene	<0 490		ug/L	6035711	6035711-BLK1	04/01/06 00:36
Methylene Chloride	<1.26		ug/L	6035711	6035711-BLK1	04/01/06 00:36
1,1,2,2-Tetrachloroethane	<0.490		ug/L	6035711	6035711-BLK1	04/01/06 00.36
Tetrachloroethene	<0 390		ug/L	6035711	6035711-BLK1	04/01/06 00 36
1,1,2-Trichloroethane	<0 420		ug/L	6035711	6035711-BLK1	04/01/06 00.36
1,1,1-Trichloroethane	<0 400		ug/L	6035711	6035711-BLK1	04/01/06 00.36
Trichloroethene	<0 450		ug/L	6035711	6035711-BLK1	04/01/06 00:36
Trichlorofluoromethane	<0.480		ug/L	6035711	6035711-BLK1	04/01/06 00 36
Vinyl chloride	<0.430		ug/L	6035711	6035711-BLK1	04/01/06 00 36

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NPC3607
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
6035711-BLK1						
Surrogate 1,2-Dichloroethane-d4	119%			6035711	6035711-BLK1	04/01/06 00:36
Surrogate Dibromofluoromethane	112%			6035711	6035711-BLK1	04/01/06 00:36
Surrogate. Toluene-d8	101%			6035711	6035711-BLK1	04/01/06 00:36
Surrogate· 4-Bromofluorobenzene	99%			6035711	6035711-BLK1	04/01/06 00:36
6036043-BLK1						
Bromochloromethane	<0 420		ug/L	6036043	6036043-BLK1	03/31/06 12:27
Bromodichloromethane	<0 380		ug/L	6036043	6036043-BLK1	03/31/06 12·27
Bromoform	<0 500		ug/L	6036043	6036043-BLK1	03/31/06 12:27
Bromomethane	<0.600		ug/L	6036043	6036043-BLK1	03/31/06 12 27
Carbon Tetrachloride	<0 480		ug/L	6036043	6036043-BLK1	03/31/06 12 27
Chlorobenzene	<0 320		ug/L	6036043	6036043-BLK1	03/31/06 12·27
Chlorodibromomethane	<0.360		ug/L	6036043	6036043-BLK1	03/31/06 12.27
Chloroethane	<0.500		ug/L	6036043	6036043-BLK1	03/31/06 12·27
Chloroform	<0.380		ug/L	6036043	6036043-BLK1	03/31/06 12 27
Chloromethane	<0 460		ug/L	6036043	6036043-BLK1	03/31/06 12 27
2-Chlorotoluene	<0.270		ug/L	6036043	6036043-BLK1	03/31/06 12 27
4-Chlorotoluene	<0 370		ug/L	6036043	6036043-BLK1	03/31/06 12 27
1,2-Dibromo-3-chloropropane	<1.64		ug/L	6036043	6036043-BLK1	03/31/06 12 27
1,4-Dichlorobenzene	<0 460		ug/L	6036043	6036043-BLK1	03/31/06 12 27
1,3-Dichlorobenzene	<0 360		ug/L	6036043	6036043-BLK1	03/31/06 12.27
1,2-Dichlorobenzene	<0.370		ug/L	6036043	6036043-BLK1	03/31/06 12.27
Dichlorodifluoromethane	<0 410		ug/L	6036043	6036043-BLK1	03/31/06 12·27
1,1-Dichloroethane	<0 320		ug/L	6036043	6036043-BLK1	03/31/06 12 27
1,2-Dichloroethane	<0 280		ug/L	6036043	6036043-BLK1	03/31/06 12 27
cis-1,2-Dichloroethene	<0 390		ug/L	6036043	6036043-BLK1	03/31/06 12.27
1,1-Dichloroethene	<0.450		ug/L	6036043	6036043-BLK1	03/31/06 12·27
trans-1,2-Dichloroethene	<0 340		ug/L	6036043	6036043-BLK1	03/31/06 12 27
1,3-Dichloropropane	<0 630		ug/L	6036043	6036043-BLK1	03/31/06 12.27
1,2-Dichloropropane	<0 500		ug/L	6036043	6036043-BLK1	03/31/06 12 27
2,2-Dichloropropane	<0.660		ug/L	6036043	6036043-BLK1	03/31/06 12 27
cis-1,3-Dichloropropene	<0 450		ug/L	6036043	6036043-BLK1	03/31/06 12 27
trans-1,3-Dichloropropene	<0 490		ug/L	6036043	6036043-BLK1	03/31/06 12:27
1,1-Dichloropropene	<0 510		ug/L	6036043	6036043-BLK1	03/31/06 12.27
Hexachlorobutadiene	<0.670		ug/L	6036043	6036043-BLK1	03/31/06 12.27
Methylene Chloride	<1.26		ug/L	6036043	6036043-BLK1	03/31/06 12 27
1,1,1,2-Tetrachloroethane	<0.370		ug/L	6036043	6036043-BLK1	03/31/06 12 27
1,1,2,2-Tetrachloroethane	<0 490		ug/L	6036043	6036043-BLK1	03/31/06 12 27
Tetrachloroethene	<0 390		ug/L	6036043	6036043-BLK1	03/31/06 12 27
1,2,3-Trichlorobenzene	<0.560		ug/L	6036043	6036043-BLK1	03/31/06 12 27
1,2,4-Trichlorobenzene	<0.790		ug/L	6036043	6036043-BLK1	03/31/06 12 27
1,1,2-Trichloroethane	<0 420		ug/L	6036043	6036043-BLK1	03/31/06 12 27

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Hart & Hickman (2162)
2923 South Tyron Street, Suite 100
Charlotte, NC 28203-5449
Attn Mike Crouch

Work Order: NPC3607
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 03/29/06 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
6036043-BLK1						
1,1,1-Trichloroethane	<0.400		ug/L	6036043	6036043-BLK1	03/31/06 12:27
Trichloroethene	<0 450		ug/L	6036043	6036043-BLK1	03/31/06 12 27
Trichlorofluoromethane	<0.480		ug/L	6036043	6036043-BLK1	03/31/06 12:27
1,2,3-Trichloropropane	<0.560		ug/L	6036043	6036043-BLK1	03/31/06 12:27
Vinyl chloride	<0 430		ug/L	6036043	6036043-BLK1	03/31/06 12:27
Surrogate: 1,2-Dichloroethane-d4	125%			6036043	6036043-BLK1	03/31/06 12:27
Surrogate: Dibromofluoromethane	114%			6036043	6036043-BLK1	03/31/06 12.27
Surrogate: Toluene-d8	98%			6036043	6036043-BLK1	03/31/06 12:27
Surrogate 4-Bromofluorobenzene	98%			6036043	6036043-BLK1	03/31/06 12:27
6040319-BLK1						
Bromochloromethane	<0 420		ug/L	6040319	6040319-BLK1	04/01/06 12 00
Bromodichloromethane	<0 380		ug/L	6040319	6040319-BLK1	04/01/06 12:00
Bromoform	<0 500		ug/L	6040319	6040319-BLK1	04/01/06 12.00
Bromomethane	<0 600		ug/L	6040319	6040319-BLK1	04/01/06 12 00
Carbon disulfide	<0.310		ug/L	6040319	6040319-BLK1	04/01/06 12:00
Carbon Tetrachloride	<0 480		ug/L	6040319	6040319-BLK1	04/01/06 12 00
Chlorobenzene	<0.320		ug/L	6040319	6040319-BLK1	04/01/06 12:00
Chlorodibromomethane	<0 360		ug/L	6040319	6040319-BLK1	04/01/06 12:00
Chloroethane	<0.500		ug/L	6040319	6040319-BLK1	04/01/06 12.00
Chloroform	<0.380		ug/L	6040319	6040319-BLK1	04/01/06 12 00
Chloromethane	<0 460		ug/L	6040319	6040319-BLK1	04/01/06 12:00
2-Chlorotoluene	<0 270		ug/L	6040319	6040319-BLK1	04/01/06 12.00
4-Chlorotoluene	<0 370		ug/L	6040319	6040319-BLK1	04/01/06 12:00
1,2-Dibromo-3-chloropropane	<1.64		ug/L	6040319	6040319-BLK1	04/01/06 12:00
1,4-Dichlorobenzene	<0 460		ug/L	6040319	6040319-BLK1	04/01/06 12 00
1,3-Dichlorobenzene	<0.360		ug/L	6040319	6040319-BLK1	04/01/06 12 00
1,2-Dichlorobenzene	<0 370		ug/L	6040319	6040319-BLK1	04/01/06 12.00
Dichlorodifluoromethane	<0 410		ug/L	6040319	6040319-BLK1	04/01/06 12:00
1,1-Dichloroethane	<0 320		ug/L	6040319	6040319-BLK1	04/01/06 12:00
1,2-Dichloroethane	<0.280		ug/L	6040319	6040319-BLK1	04/01/06 12.00
cis-1,2-Dichloroethene	<0.390		ug/L	6040319	6040319-BLK1	04/01/06 12.00
1,1-Dichloroethene	<0 450		ug/L	6040319	6040319-BLK1	04/01/06 12 00
trans-1,2-Dichloroethene	<0.340		ug/L	6040319	6040319-BLK1	04/01/06 12.00
1,3-Dichloropropane	<0 630		ug/L	6040319	6040319-BLK1	04/01/06 12:00
1,2-Dichloropropane	<0.500		ug/L	6040319	6040319-BLK1	04/01/06 12.00
2,2-Dichloropropane	<0.660		ug/L	6040319	6040319-BLK1	04/01/06 12:00
cis-1,3-Dichloropropene	<0 450		ug/L	6040319	6040319-BLK1	04/01/06 12:00
trans-1,3-Dichloropropene	<0 490		ug/L	6040319	6040319-BLK1	04/01/06 12:00
1,1-Dichloropropene	<0.510		ug/L	6040319	6040319-BLK1	04/01/06 12:00
Hexachlorobutadiene	<0.670		ug/L	6040319	6040319-BLK1	04/01/06 12.00
Methylene Chloride	<1 26		ug/L	6040319	6040319-BLK1	04/01/06 12:00

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NPC3607
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
6040319-BLK1						
1,1,1,2-Tetrachloroethane	<0 370		ug/L	6040319	6040319-BLK1	04/01/06 12.00
1,1,2,2-Tetrachloroethane	<0 490		ug/L	6040319	6040319-BLK1	04/01/06 12.00
Tetrachloroethene	<0.390		ug/L	6040319	6040319-BLK1	04/01/06 12·00
1,2,3-Trichlorobenzene	<0.560		ug/L	6040319	6040319-BLK1	04/01/06 12:00
1,2,4-Trichlorobenzene	<0 790		ug/L	6040319	6040319-BLK1	04/01/06 12.00
1,1,2-Trichloroethane	<0.420		ug/L	6040319	6040319-BLK1	04/01/06 12:00
1,1,1-Trichloroethane	<0.400		ug/L	6040319	6040319-BLK1	04/01/06 12.00
Trichloroethene	<0.450		ug/L	6040319	6040319-BLK1	04/01/06 12 00
Trichlorofluoromethane	<0 480		ug/L	6040319	6040319-BLK1	04/01/06 12 00
1,2,3-Trichloropropane	<0.560		ug/L	6040319	6040319-BLK1	04/01/06 12.00
Vinyl chloride	<0.430		ug/L	6040319	6040319-BLK1	04/01/06 12.00
Surrogate. 1,2-Dichloroethane-d4	102%			6040319	6040319-BLK1	04/01/06 12 00
Surrogate: Dibromofluoromethane	107%			6040319	6040319-BLK1	04/01/06 12.00
Surrogate: Toluene-d8	101%			6040319	6040319-BLK1	04/01/06 12·00
Surrogate 4-Bromofluorobenzene	109%			6040319	6040319-BLK1	04/01/06 12 00

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Client Hart & Hickman (2162)
2923 South Tyron Street, Suite 100
Charlotte, NC 28203-5449
Attn Mike Crouch

Work Order: NPC3607
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 03/29/06 08:00

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig Val	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
6035061-DUP1									
Total Organic Carbon	ND	ND		mg/L		20	6035061	NPC3256-08	03/29/06 12:13
6035061-DUP2									
Total Organic Carbon	0.577	ND		mg/L		20	6035061	NPC3607-10	03/29/06 12:13
6035528-DUP1									
Chloride	3.93	3.88		mg/L	1	20	6035528	NPC3607-10	03/30/06 05 11
Nitrate as N	0.201	0.193		mg/L	4	20	6035528	NPC3607-10	03/30/06 05:11
Sulfate	1 01	0.777	R4	mg/L	26	20	6035528	NPC3607-10	04/01/06 19:04

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Client Hart & Hickman (2162)
2923 South Tyron Street, Suite 100
Charlotte, NC 28203-5449
Attn Mike Crouch

Work Order: NPC3607
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 03/29/06 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
6035061-BS1								
Total Organic Carbon	200	201		ug/mL	100%	87 - 110	6035061	03/29/06 12.13
6035528-BS1								
Chloride	3.00	3 10		ug/mL	103%	90 - 110	6035528	03/29/06 23:25
Nitrate as N	3.00	3.12		mg/L	104%	90 - 110	6035528	03/29/06 23.25
Sulfate	15 0	14.0		ug/mL	93%	90 - 110	6035528	03/31/06 22 10
Methane, Ethane, and Ethene by GC								
6035438-BS1								
Methane	1330	1360		ug/L	102%	79 - 121	6035438	03/30/06 16:22
Surrogate· Acetylene	4320	4070			94%	70 - 130	6035438	03/30/06 16.22
Volatile Organic Compounds by EPA Method 8260B								
6035711-BS1								
Bromodichloromethane	50.0	65 1		ug/L	130%	71 - 134	6035711	03/31/06 23 21
Bromoform	50.0	70 0		ug/L	140%	44 - 140	6035711	03/31/06 23·21
Bromomethane	50.0	47 4		ug/L	95%	49 - 157	6035711	03/31/06 23·21
Carbon Tetrachloride	50 0	81.3	L	ug/L	163%	63 - 140	6035711	03/31/06 23:21
Chlorobenzene	50.0	53.3		ug/L	107%	83 - 118	6035711	03/31/06 23.21
Chlorodibromomethane	50.0	57.8		ug/L	116%	69 - 128	6035711	03/31/06 23 21
Chloroethane	50 0	46 6		ug/L	93%	57 - 142	6035711	03/31/06 23 21
Chloroform	50.0	58 6		ug/L	117%	72 - 128	6035711	03/31/06 23.21
Chloromethane	50.0	32 7		ug/L	65%	37 - 158	6035711	03/31/06 23 21
1,4-Dichlorobenzene	50.0	53 5		ug/L	107%	80 - 119	6035711	03/31/06 23.21
1,3-Dichlorobenzene	50 0	55.3		ug/L	111%	81 - 124	6035711	03/31/06 23:21
1,2-Dichlorobenzene	50 0	54 0		ug/L	108%	82 - 123	6035711	03/31/06 23·21
1,1-Dichloroethane	50 0	54 2		ug/L	108%	72 - 130	6035711	03/31/06 23.21
1,2-Dichloroethane	50.0	63 0		ug/L	126%	65 - 137	6035711	03/31/06 23 21
cis-1,2-Dichloroethene	50.0	62 3		ug/L	125%	71 - 131	6035711	03/31/06 23:21
1,1-Dichloroethene	50.0	57 2		ug/L	114%	68 - 133	6035711	03/31/06 23·21
trans-1,2-Dichloroethene	50.0	60 6		ug/L	121%	70 - 132	6035711	03/31/06 23.21
1,2-Dichloropropane	50.0	49 5		ug/L	99%	76 - 128	6035711	03/31/06 23·21
cis-1,3-Dichloropropene	50.0	70.1	L	ug/L	140%	61 - 138	6035711	03/31/06 23·21
trans-1,3-Dichloropropene	50 0	72 4	L	ug/L	145%	57 - 130	6035711	03/31/06 23 21
Methylene Chloride	50 0	57.5		ug/L	115%	74 - 133	6035711	03/31/06 23·21
1,1,2,2-Tetrachloroethane	50.0	82.8	L	ug/L	166%	70 - 129	6035711	03/31/06 23.21
Tetrachloroethene	50.0	62 8	L	ug/L	126%	77 - 124	6035711	03/31/06 23 21
1,1,2-Trichloroethane	50.0	54 6		ug/L	109%	83 - 120	6035711	03/31/06 23 21
1,1,1-Trichloroethane	50 0	66.1		ug/L	132%	68 - 135	6035711	03/31/06 23 21
Trichloroethene	50.0	52.8		ug/L	106%	72 - 135	6035711	03/31/06 23 21
Trichlorofluoromethane	50.0	64 7		ug/L	129%	57 - 142	6035711	03/31/06 23·21
Vinyl chloride	50.0	46 8		ug/L	94%	52 - 143	6035711	03/31/06 23 21

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Hart & Hickman (2162)
2923 South Tyron Street, Suite 100
Charlotte, NC 28203-5449
Attn Mike Crouch

Work Order: NPC3607
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 03/29/06 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6035711-BS1								
Surrogate: 1,2-Dichloroethane-d4	50.0	57 9			116%	70 - 130	6035711	03/31/06 23:21
Surrogate Dibromofluoromethane	50 0	54 6			109%	79 - 122	6035711	03/31/06 23:21
Surrogate: Toluene-d8	50.0	51 4			103%	78 - 121	6035711	03/31/06 23.21
Surrogate 4-Bromofluorobenzene	50 0	50 5			101%	78 - 126	6035711	03/31/06 23·21
6036043-BS1								
Bromodichloromethane	50.0	66 1		ug/L	132%	71 - 134	6036043	03/31/06 11.12
Bromoform	50 0	69 8		ug/L	140%	44 - 140	6036043	03/31/06 11.12
Bromomethane	50 0	50 2		ug/L	100%	49 - 157	6036043	03/31/06 11:12
Carbon Tetrachloride	50 0	79 6	L	ug/L	159%	63 - 140	6036043	03/31/06 11:12
Chlorobenzene	50.0	52 2		ug/L	104%	83 - 118	6036043	03/31/06 11:12
Chlorodibromomethane	50 0	57 5		ug/L	115%	69 - 128	6036043	03/31/06 11 12
Chloroethane	50 0	52 7		ug/L	105%	57 - 142	6036043	03/31/06 11 12
Chloroform	50 0	57.4		ug/L	115%	72 - 128	6036043	03/31/06 11:12
Chloromethane	50 0	49.6		ug/L	99%	37 - 158	6036043	03/31/06 11:12
1,4-Dichlorobenzene	50 0	53.8		ug/L	108%	80 - 119	6036043	03/31/06 11.12
1,3-Dichlorobenzene	50.0	54.6		ug/L	109%	81 - 124	6036043	03/31/06 11.12
1,2-Dichlorobenzene	50 0	52 0		ug/L	104%	82 - 123	6036043	03/31/06 11·12
1,1-Dichloroethane	50.0	53.2		ug/L	106%	72 - 130	6036043	03/31/06 11:12
1,2-Dichloroethane	50 0	61.2		ug/L	122%	65 - 137	6036043	03/31/06 11.12
cis-1,2-Dichloroethene	50 0	61.6		ug/L	123%	71 - 131	6036043	03/31/06 11.12
1,1-Dichloroethene	50.0	57 4		ug/L	115%	68 - 133	6036043	03/31/06 11:12
trans-1,2-Dichloroethene	50.0	59.2		ug/L	118%	70 - 132	6036043	03/31/06 11:12
1,2-Dichloropropane	50 0	50.0		ug/L	100%	76 - 128	6036043	03/31/06 11.12
cis-1,3-Dichloropropene	50 0	68 5		ug/L	137%	61 - 138	6036043	03/31/06 11 12
trans-1,3-Dichloropropene	50.0	71 4	L	ug/L	143%	57 - 130	6036043	03/31/06 11 12
Methylene Chloride	50.0	56 5		ug/L	113%	74 - 133	6036043	03/31/06 11:12
1,1,2,2-Tetrachloroethane	50 0	76 5	L	ug/L	153%	70 - 129	6036043	03/31/06 11.12
Tetrachloroethene	50 0	60 2		ug/L	120%	77 - 124	6036043	03/31/06 11 12
1,1,2-Trichloroethane	50 0	53 0		ug/L	106%	83 - 120	6036043	03/31/06 11 12
1,1,1-Trichloroethane	50 0	64.2		ug/L	128%	68 - 135	6036043	03/31/06 11 12
Trichloroethene	50 0	52 5		ug/L	105%	72 - 135	6036043	03/31/06 11:12
Trichlorofluoromethane	50 0	73.2	L	ug/L	146%	57 - 142	6036043	03/31/06 11:12
Vinyl chloride	50 0	59 0		ug/L	118%	52 - 143	6036043	03/31/06 11.12
Surrogate· 1,2-Dichloroethane-d4	50 0	58.7			117%	70 - 130	6036043	03/31/06 11:12
Surrogate Dibromofluoromethane	50.0	55.6			111%	79 - 122	6036043	03/31/06 11 12
Surrogate: Toluene-d8	50.0	52.0			104%	78 - 121	6036043	03/31/06 11:12
Surrogate: 4-Bromofluorobenzene	50 0	50.7			101%	78 - 126	6036043	03/31/06 11:12
6040319-BS1								
Bromodichloromethane	50.0	52 4		ug/L	105%	71 - 134	6040319	04/01/06 10.47
Bromoform	50.0	35.3		ug/L	71%	44 - 140	6040319	04/01/06 10.47

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NPC3607
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6040319-BS1								
Bromomethane	50.0	35.1		ug/L	70%	49 - 157	6040319	04/01/06 10 47
Carbon Tetrachloride	50.0	33 1		ug/L	66%	63 - 140	6040319	04/01/06 10:47
Chlorobenzene	50.0	53 6		ug/L	107%	83 - 118	6040319	04/01/06 10:47
Chlorodibromomethane	50.0	51.0		ug/L	102%	69 - 128	6040319	04/01/06 10 47
Chloroethane	50.0	50.7		ug/L	101%	57 - 142	6040319	04/01/06 10:47
Chloroform	50.0	52 0		ug/L	104%	72 - 128	6040319	04/01/06 10:47
Chloromethane	50 0	68 3		ug/L	137%	37 - 158	6040319	04/01/06 10.47
1,4-Dichlorobenzene	50.0	49.7		ug/L	99%	80 - 119	6040319	04/01/06 10:47
1,3-Dichlorobenzene	50.0	53.1		ug/L	106%	81 - 124	6040319	04/01/06 10 47
1,2-Dichlorobenzene	50.0	54.8		ug/L	110%	82 - 123	6040319	04/01/06 10:47
1,1-Dichloroethane	50.0	54 3		ug/L	109%	72 - 130	6040319	04/01/06 10 47
1,2-Dichloroethane	50.0	52 2		ug/L	104%	65 - 137	6040319	04/01/06 10 47
cis-1,2-Dichloroethene	50.0	53 5		ug/L	107%	71 - 131	6040319	04/01/06 10.47
1,1-Dichloroethene	50.0	54.4		ug/L	109%	68 - 133	6040319	04/01/06 10.47
trans-1,2-Dichloroethene	50.0	54.1		ug/L	108%	70 - 132	6040319	04/01/06 10:47
1,2-Dichloropropane	50.0	53.3		ug/L	107%	76 - 128	6040319	04/01/06 10 47
cis-1,3-Dichloropropene	50.0	53.2		ug/L	106%	61 - 138	6040319	04/01/06 10 47
trans-1,3-Dichloropropene	50 0	50 7		ug/L	101%	57 - 130	6040319	04/01/06 10 47
Methylene Chloride	50 0	58.3		ug/L	117%	74 - 133	6040319	04/01/06 10 47
1,1,2,2-Tetrachloroethane	50.0	52.1		ug/L	104%	70 - 129	6040319	04/01/06 10 47
Tetrachloroethene	50.0	50.3		ug/L	101%	77 - 124	6040319	04/01/06 10 47
1,1,2-Trichloroethane	50.0	53 9		ug/L	108%	83 - 120	6040319	04/01/06 10 47
1,1,1-Trichloroethane	50.0	50 7		ug/L	101%	68 - 135	6040319	04/01/06 10 47
Trichloroethene	50.0	57.3		ug/L	115%	72 - 135	6040319	04/01/06 10 47
Trichlorofluoromethane	50 0	43 0		ug/L	86%	57 - 142	6040319	04/01/06 10:47
Vinyl chloride	50 0	43.0		ug/L	86%	52 - 143	6040319	04/01/06 10:47
Surrogate. 1,2-Dichloroethane-d4	50.0	50.2			100%	70 - 130	6040319	04/01/06 10.47
Surrogate Dibromofluoromethane	50 0	52.2			104%	79 - 122	6040319	04/01/06 10 47
Surrogate: Toluene-d8	50.0	53.2			106%	78 - 121	6040319	04/01/06 10.47
Surrogate. 4-Bromofluorobenzene	50.0	53.5			107%	78 - 126	6040319	04/01/06 10 47

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Hart & Hickman (2162)
2923 South Tyron Street, Suite 100
Charlotte, NC 28203-5449
Attn Mike Crouch

Work Order: NPC3607
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 03/29/06 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
6035061-MS1										
Total Organic Carbon	30.2	54 9		ug/mL	20 0	124%	75 - 137	6035061	NPC3065-01	03/29/06 12 13
6035528-MS1										
Chloride	6 15	8 37	M8	ug/mL	3 00	74%	80 - 120	6035528	NPC3607-01	03/29/06 23.54
Nitrate as N	1 32	3.81		mg/L	3 00	83%	80 - 120	6035528	NPC3607-01	03/29/06 23.54
Sulfate	0.472	12 9		ug/mL	15 0	83%	80 - 120	6035528	NPC3607-01	03/31/06 22:38
Methane, Ethane, and Ethene by GC										
6035438-MS1										
Methane	ND	1320		ug/L	1330	99%	62 - 132	6035438	NPC3691-03	03/30/06 16 05
Surrogate Acetylene		2010		ug/L	2160	93%	70 - 130	6035438	NPC3691-03	03/30/06 16:05
Volatile Organic Compounds by EPA Method 8260B										
6036043-MS1										
Bromodichloromethane	ND	67 3		ug/L	50 0	135%	67 - 138	6036043	NPC2995-01	03/31/06 21.40
Bromoform	ND	71 5	M7	ug/L	50 0	143%	37 - 140	6036043	NPC2995-01	03/31/06 21 40
Bromomethane	ND	42 7		ug/L	50 0	85%	29 - 171	6036043	NPC2995-01	03/31/06 21 40
Carbon Tetrachloride	ND	87 4	M7	ug/L	50 0	175%	56 - 147	6036043	NPC2995-01	03/31/06 21 40
Chlorobenzene	ND	55 3		ug/L	50.0	111%	79 - 124	6036043	NPC2995-01	03/31/06 21:40
Chlorodibromomethane	ND	60.0		ug/L	50 0	120%	62 - 130	6036043	NPC2995-01	03/31/06 21 40
Chloroethane	ND	50.5		ug/L	50.0	101%	47 - 160	6036043	NPC2995-01	03/31/06 21:40
Chloroform	ND	63.7		ug/L	50.0	127%	71 - 134	6036043	NPC2995-01	03/31/06 21.40
Chloromethane	ND	67.8		ug/L	50.0	136%	22 - 177	6036043	NPC2995-01	03/31/06 21:40
1,4-Dichlorobenzene	ND	56 4		ug/L	50.0	113%	72 - 126	6036043	NPC2995-01	03/31/06 21 40
1,3-Dichlorobenzene	ND	58 5		ug/L	50 0	117%	72 - 133	6036043	NPC2995-01	03/31/06 21.40
1,2-Dichlorobenzene	ND	55 7		ug/L	50 0	111%	73 - 131	6036043	NPC2995-01	03/31/06 21:40
1,1-Dichloroethane	ND	56 1		ug/L	50 0	112%	70 - 135	6036043	NPC2995-01	03/31/06 21.40
1,2-Dichloroethane	ND	67 6		ug/L	50 0	135%	62 - 140	6036043	NPC2995-01	03/31/06 21 40
cis-1,2-Dichloroethene	ND	65.0		ug/L	50.0	130%	67 - 137	6036043	NPC2995-01	03/31/06 21 40
1,1-Dichloroethene	ND	59.3		ug/L	50 0	119%	67 - 139	6036043	NPC2995-01	03/31/06 21 40
trans-1,2-Dichloroethene	ND	60 7		ug/L	50 0	121%	66 - 138	6036043	NPC2995-01	03/31/06 21:40
1,2-Dichloropropane	ND	53 9		ug/L	50.0	108%	75 - 131	6036043	NPC2995-01	03/31/06 21.40
cis-1,3-Dichloropropene	ND	75 1	M7	ug/L	50 0	150%	53 - 139	6036043	NPC2995-01	03/31/06 21 40
trans-1,3-Dichloropropene	ND	75.0	M7	ug/L	50 0	150%	51 - 130	6036043	NPC2995-01	03/31/06 21.40
Methylene Chloride	ND	52.0		ug/L	50.0	104%	69 - 138	6036043	NPC2995-01	03/31/06 21 40
1,1,2,2-Tetrachloroethane	ND	85 7	M7	ug/L	50 0	171%	65 - 134	6036043	NPC2995-01	03/31/06 21:40
Tetrachloroethene	ND	79 2	M7	ug/L	50.0	158%	71 - 132	6036043	NPC2995-01	03/31/06 21:40
1,1,2-Trichloroethane	ND	67.0	M7	ug/L	50.0	134%	78 - 125	6036043	NPC2995-01	03/31/06 21.40

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NPC3607
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig Val	MS Val	Q	Units	Spike Conc	% Rec	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
6036043-MS1										
1,1,1-Trichloroethane	ND	70.9		ug/L	50.0	142%	66 - 142	6036043	NPC2995-01	03/31/06 21.40
Trichloroethene	ND	57.0		ug/L	50.0	114%	69 - 140	6036043	NPC2995-01	03/31/06 21:40
Trichlorofluoromethane	ND	75.2	M7	ug/L	50 0	150%	57 - 149	6036043	NPC2995-01	03/31/06 21.40
Vinyl chloride	ND	54.4		ug/L	50 0	109%	46 - 151	6036043	NPC2995-01	03/31/06 21:40
Surrogate 1,2-Dichloroethane-d4		59 3		ug/L	50 0	119%	70 - 130	6036043	NPC2995-01	03/31/06 21:40
Surrogate: Dibromofluoromethane		54 4		ug/L	50 0	109%	79 - 122	6036043	NPC2995-01	03/31/06 21:40
Surrogate. Toluene-d8		52.4		ug/L	50.0	105%	78 - 121	6036043	NPC2995-01	03/31/06 21·40
Surrogate 4-Bromofluorobenzene		50.6		ug/L	50 0	101%	78 - 126	6036043	NPC2995-01	03/31/06 21·40

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Client Hart & Hickman (2162)
2923 South Tyron Street, Suite 100
Charlotte, NC 28203-5449
Attn Mike Crouch

Work Order: NPC3607
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 03/29/06 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig Val	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
6035061-MSD1												
Total Organic Carbon	30 2	55 7		ug/mL	20 0	128%	75 - 137	1	20	6035061	NPC3065-01	03/29/06 12:13
6035528-MSD1												
Chloride	6.15	8.38	M8	ug/mL	3.00	74%	80 - 120	0 1	20	6035528	NPC3607-01	03/30/06 00:09
Nitrate as N	1.32	3.81		mg/L	3 00	83%	80 - 120	0	20	6035528	NPC3607-01	03/30/06 00:09
Sulfate	0 472	12.6		ug/mL	15 0	81%	80 - 120	2	20	6035528	NPC3607-01	03/31/06 22.53
Methane, Ethane, and Ethene by GC												
6035438-MSD1												
Methane	ND	1310		ug/L	1330	98%	62 - 132	0 8	26	6035438	NPC3691-03	03/30/06 16 09
Surrogate Acetylene		1980		ug/L	2160	92%	70 - 130			6035438	NPC3691-03	03/30/06 16 09
Volatile Organic Compounds by EPA Method 8260B												
6036043-MSD1												
Bromodichloromethane	ND	68 3		ug/L	50 0	137%	67 - 138	1	16	6036043	NPC2995-01	03/31/06 22 05
Bromoform	ND	71 8	M7	ug/L	50 0	144%	37 - 140	0.4	19	6036043	NPC2995-01	03/31/06 22 05
Bromomethane	ND	53 5		ug/L	50 0	107%	29 - 171	22	31	6036043	NPC2995-01	03/31/06 22 05
Carbon Tetrachloride	ND	91 1	M7	ug/L	50 0	182%	56 - 147	4	22	6036043	NPC2995-01	03/31/06 22:05
Chlorobenzene	ND	56 4		ug/L	50 0	113%	79 - 124	2	17	6036043	NPC2995-01	03/31/06 22:05
Chlorodibromomethane	ND	60.9		ug/L	50 0	122%	62 - 130	1	16	6036043	NPC2995-01	03/31/06 22:05
Chloroethane	ND	53.9		ug/L	50 0	108%	47 - 160	7	24	6036043	NPC2995-01	03/31/06 22.05
Chloroform	ND	65.8		ug/L	50 0	132%	71 - 134	3	16	6036043	NPC2995-01	03/31/06 22.05
Chloromethane	ND	44.6	R2	ug/L	50 0	89%	22 - 177	41	32	6036043	NPC2995-01	03/31/06 22.05
1,4-Dichlorobenzene	ND	59.1		ug/L	50 0	118%	72 - 126	5	18	6036043	NPC2995-01	03/31/06 22.05
1,3-Dichlorobenzene	ND	60 2		ug/L	50 0	120%	72 - 133	3	17	6036043	NPC2995-01	03/31/06 22.05
1,2-Dichlorobenzene	ND	57 2		ug/L	50 0	114%	73 - 131	3	16	6036043	NPC2995-01	03/31/06 22 05
1,1-Dichloroethane	ND	59 0		ug/L	50 0	118%	70 - 135	5	17	6036043	NPC2995-01	03/31/06 22 05
1,2-Dichloroethane	ND	68 8		ug/L	50 0	138%	62 - 140	2	17	6036043	NPC2995-01	03/31/06 22 05
cis-1,2-Dichloroethene	ND	67 5		ug/L	50 0	135%	67 - 137	4	20	6036043	NPC2995-01	03/31/06 22 05
1,1-Dichloroethene	ND	62 9		ug/L	50 0	126%	67 - 139	6	20	6036043	NPC2995-01	03/31/06 22 05
trans-1,2-Dichloroethene	ND	64 2		ug/L	50 0	128%	66 - 138	6	18	6036043	NPC2995-01	03/31/06 22 05
1,2-Dichloropropane	ND	55 3		ug/L	50.0	111%	75 - 131	3	17	6036043	NPC2995-01	03/31/06 22 05
cis-1,3-Dichloropropene	ND	76.4	M7	ug/L	50 0	153%	53 - 139	2	20	6036043	NPC2995-01	03/31/06 22.05
trans-1,3-Dichloropropene	ND	76 1	M7	ug/L	50 0	152%	51 - 130	1	18	6036043	NPC2995-01	03/31/06 22:05
Methylene Chloride	ND	54 4		ug/L	50 0	109%	69 - 138	5	19	6036043	NPC2995-01	03/31/06 22.05
1,1,2,2-Tetrachloroethane	ND	86 8	M7	ug/L	50 0	174%	65 - 134	1	23	6036043	NPC2995-01	03/31/06 22 05
Tetrachloroethene	ND	73.0	M7	ug/L	50.0	146%	71 - 132	8	20	6036043	NPC2995-01	03/31/06 22:05
1,1,2-Trichloroethane	ND	64 6	M7	ug/L	50 0	129%	78 - 125	4	15	6036043	NPC2995-01	03/31/06 22:05
1,1,1-Trichloroethane	ND	75 2	M7	ug/L	50 0	150%	66 - 142	6	25	6036043	NPC2995-01	03/31/06 22:05
Trichloroethene	ND	57.8		ug/L	50 0	116%	69 - 140	1	21	6036043	NPC2995-01	03/31/06 22 05
Trichlorofluoromethane	ND	77 3	M7	ug/L	50 0	155%	57 - 149	3	23	6036043	NPC2995-01	03/31/06 22.05

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162)	Work Order:	NPC3607
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig Val	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
6036043-MSD1												
Vinyl chloride	ND	59.5		ug/L	50.0	119%	46 - 151	9	23	6036043	NPC2995-01	03/31/06 22 05
Surrogate: 1,2-Dichloroethane-d4		59.2		ug/L	50.0	118%	70 - 130			6036043	NPC2995-01	03/31/06 22 05
Surrogate: Dibromofluoromethane		55.2		ug/L	50 0	110%	79 - 122			6036043	NPC2995-01	03/31/06 22 05
Surrogate. Toluene-d8		52 5		ug/L	50 0	105%	78 - 121			6036043	NPC2995-01	03/31/06 22 05
Surrogate. 4-Bromofluorobenzene		52 5		ug/L	50 0	105%	78 - 126			6036043	NPC2995-01	03/31/06 22.05

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order: Project Name: Project Number:	NPC3607 Goodrich - Delavan GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	South Carolina
RSK 175	Water	N/A	X	
SW846 8260B	Water	N/A	X	X
SW846 9056	Water	N/A	X	X
SW846 9060	Water	N/A	X	X

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Hart & Hickman (2162)	Work Order:	NPC3607
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	03/29/06 08:00

DATA QUALIFIERS AND DEFINITIONS

L Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

M7 The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).

M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

R2 The RPD exceeded the acceptance limit.

R4 Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

METHOD MODIFICATION NOTES

1 OF 2 PAGES

TestAmerica
ANALYTICAL TESTING CORPORATION

NPC3607
04/05/06 17 00

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring: YES

Client Name: HART & HICKMAN, PC Client #: 2162
Address: 2923 SOUTH TRYON STREET, STE 100
City/State/Zip Code: CHARLOTTE, NORTH CAROLINA 28203
Project Manager: MIKE CROUCH
Telephone Number: 704-586-0007 Fax: 704-586-0373
Sampler Name: (Print Name) SHANNON COTTRILL
Sampler Signature: [signature]

Project Name: GOODRICH-DELAVAN
Project #: GDR-006
Site/Location ID: BAMBERG State: SC
Report To: MIKE CROUCH
Invoice To: HART & HICKMAN, PC
Quote #: PO#:

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: STD. 5-DAY TAT
Fax Results: (Y) N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: 6210D VOC -601 LIST ONLY	NITRATE	SULFATE	CHLORIDES	TOC	METHANE					QC Deliverables: ___ None; X Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: ___ REMARKS
MW-1	3-28-06	1530	G	N	GW		9				2		✓	✓	✓	✓	✓	✓					NPC3607-01
MW-2		~~1220~~	G	N	GW		3						✓										2
MW-3		1205	G	N	GW		3						✓										3
MW-4		1120	G	N	GW		3						✓										4
MW-5		1335	G	N	GW		3						✓										5
MW-6		1240	G	N	GW		3						✓										6
MW-7		1140	G	N	GW		3						✓										7
MW-8		1315	G	N	GW		3						✓										8
MW-9		1500	G	N	GW		9				2		✓	✓	✓	✓	✓	✓					9
MW-10		1415	G	N	GW		9				2		✓	✓	✓	✓	✓	✓					10

Special Instructions: PLEASE E-MAIL RESULTS TO: scottrill@harthickman.com
cc: mcrouch@harthickman.com

Relinquished By: [signature]	Date: 3-28-06	Time: 1900	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [signature]	Date: 3/29/06	Time: 8:00

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 1.4
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

TestAmerica
ANALYTICAL TESTING CORPORATION

NPC3607
04/05/06 17 00

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring YES

Client Name: HART & HICKMAN, PC Client #: 2162
Address: 2923 SOUTH TRYON STREET, STE 100
City/State/Zip Code: CHARLOTTE, NORTH CAROLINA 28203
Project Manager: MIKE CROUCH
Telephone Number: 704-586-0007 Fax: 704-586-0373
Sampler Name: (Print Name) SHANNON COTTRILL
Sampler Signature: [signature]

Project Name: GOODRICH - DELAVAN
Project #: GDR-006
Site/Location ID: BAMBERG State: SC
Report To: MIKE CROUCH
Invoice To: HART & HICKMAN, PC
Quote #: PO#:

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: STD. 5 DAY TAT
Fax Results: (Y) N

QC Deliverables
___ None
X Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other)	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	6210D - VOCs 601 LISTONLY										REMARKS
MW-11	3-28-06	1045	G	N	GW		3						✓										NPC3607-11

Special Instructions: PLEASE E-MAIL RESULTS: scottrill@harthickman.com
mcrouch@harthickman.com

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	3-28-06	1900			
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [signature]	Date: 3/29/06	Time: 8:10

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 1.6°
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** NPC3607

Cooler Received/Opened On 3/29/06 @ 8:00

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 2682

Fed-Ex UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: 1.4 **Degrees Celsius**
(indicate IR Gun ID#)

NA A00466 A00750 A01124 100190 101282 Raynger ST

3. Were custody seals on outside of cooler?..... YES...NO...NA

a. If yes, how many and where: 1 Front

4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA

5. Were custody papers inside cooler?..... YES...NO...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... [initials]

6. Were custody seals on containers: YES NO and Intact YES NO NA

were these signed, and dated correctly?..... YES...NO...NA

7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert

Plastic bag Paper Other_____ None

8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA

11. Did all container labels and tags agree with custody papers?..... YES...NO...NA

12. a. Were VOA vials received?..... YES...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... [initials]

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used..... YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here_____

14. Was residual chlorine present?..... YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... [initials]

15. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA

16. Did you sign the custody papers in the appropriate place?..... YES...NO...NA

17. Were correct containers used for the analysis requested?..... YES...NO...NA

18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... [initials]

I certify that I attached a label with the unique LIMS number to each container (intial)..... [initials]

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO #_____

BIS = Broken in shipment

Keystone
LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH NELAC

MEMBER ACIL

12 April 2006

RECEIVED
APR 13 2006

Mike Crouch
Hart & Hickman
2923 South Tryon St., Suite 100
Charlotte, NC 28203

RE: HRC Analysis

Enclosed are the results of analyses for samples received by the laboratory on 03/29/06 11:24. If you have any questions concerning this report, please feel free to contact me at 1-800-858-5227.

Sincerely,

Jim Eggers For Jeffrey King, Ph.D.
Laboratory Director

Phone 641-792-8451 | 600 East 17th Street South, Newton, IA 50208 | Fax 641-792-7989

Keystone LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

MEMBER ACIL

Hart & Hickman	Project: HRC Analysis	
2923 South Tryon St., Suite 100	Project Number: [none]	**Reported:**
Charlotte NC, 28203	Project Manager: Mike Crouch	04/12/06 15:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	16C1199-01	Water	03/28/06 15:30	03/29/06 11:24
MW-9	16C1199-02	Water	03/28/06 15:00	03/29/06 11:24
MW-10	16C1199-03	Water	03/28/06 14:15	03/29/06 11:24

Keystone Laboratories, Inc. - Newton

The results in this report apply to the samples analyzed in accordance with the chain of custody document This analytical report must be reproduced in its entirety

Jim Eggers For Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451 600 East 17th Street South Newton, IA 50208 Fax 641-792-7989

Hart & Hickman	Project: HRC Analysis	
2923 South Tryon St., Suite 100	Project Number: [none]	**Reported:**
Charlotte NC, 28203	Project Manager: Mike Crouch	04/12/06 15:45

MW-1
16C1199-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Keystone Laboratories, Inc. - Newton									
Determination of Metabolic Acids									
Pyruvic Acid (C3)	ND	0.1	mg/l	1	1D61238	04/12/06	04/12/06	HPLC/UV	
Lactic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Acetic Acid (C2)	ND	1.0	"	"	"	"	"	"	
Propionic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Butyric Acid (C4)	ND	1.0	"	"	"	"	"	"	

Hart & Hickman	Project: HRC Analysis	
2923 South Tryon St., Suite 100	Project Number: [none]	**Reported:**
Charlotte NC, 28203	Project Manager: Mike Crouch	04/12/06 15.45

MW-9
16C1199-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Keystone Laboratories, Inc. - Newton									
Determination of Metabolic Acids									
Pyruvic Acid (C3)	ND	0.1	mg/l	1	1D61238	04/12/06	04/12/06	HPLC/UV	
Lactic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Acetic Acid (C2)	ND	1.0	"	"	"	"	"	"	
Propionic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Butyric Acid (C4)	ND	1.0	"	"	"	"	"	"	

Keystone Laboratories, Inc. - Newton

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Jim Eggers For Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451 | 600 East 17th Street South Newton, IA 50208 | Fax 641-792-7989

Hart & Hickman	Project: HRC Analysis	
2923 South Tryon St., Suite 100	Project Number: [none]	**Reported:**
Charlotte NC, 28203	Project Manager: Mike Crouch	04/12/06 15:45

MW-10
16C1199-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Keystone Laboratories, Inc. - Newton									
Determination of Metabolic Acids									
Pyruvic Acid (C3)	ND	0.1	mg/l	1	1D61238	04/12/06	04/12/06	HPLC/UV	
Lactic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Acetic Acid (C2)	ND	1.0	"	"	"	"	"	"	
Propionic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Butyric Acid (C4)	ND	1.0	"	"	"	"	"	"	

Keystone Laboratories, Inc. - Newton

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Jim Eggers For Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451 600 East 17th Street South Newton, IA 50208 Fax 641-792-7989

Hart & Hickman	Project: HRC Analysis	
2923 South Tryon St., Suite 100	Project Number: [none]	**Reported:**
Charlotte NC, 28203	Project Manager: Mike Crouch	04/12/06 15:45

Determination of Metabolic Acids - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 16D1219 - 1D61238										
Calibration Check (16D1219-CCV1)				Prepared & Analyzed: 04/12/06						
Pyruvic Acid (C3)	13 33		mg/l	13 00		103	80-120			
Lactic Acid (C3)	92.03		"	97.20		94.7	80-120			
Acetic Acid (C2)	109.8		"	106 0		104	80-120			
Propionic Acid (C3)	102 2		"	105 0		97 3	80-120			
Butyric Acid (C4)	109 7		"	106.0		103	80-120			
Calibration Check (16D1219-CCV2)				Prepared & Analyzed: 04/12/06						
Pyruvic Acid (C3)	13.87		mg/l	13 00		107	80-120			
Lactic Acid (C3)	99 14		"	97 20		102	80-120			
Acetic Acid (C2)	112 0		"	106 0		106	80-120			
Propionic Acid (C3)	113 9		"	105.0		108	80-120			
Butyric Acid (C4)	113 5		"	106.0		107	80-120			
Batch 1D61238 - General Prep HPLC/IC										
Blank (1D61238-BLK1)				Prepared & Analyzed: 04/12/06						
Pyruvic Acid (C3)	ND	0 1	mg/l							
Lactic Acid (C3)	ND	1.0	"							
Acetic Acid (C2)	ND	1 0	"							
Propionic Acid (C3)	ND	1 0	"							
Butyric Acid (C4)	ND	1 0	"							
LCS (1D61238-BS1)				Prepared & Analyzed: 04/12/06						
Pyruvic Acid (C3)	18 69	0 1	mg/l	19 00		98 4	90-127			
Lactic Acid (C3)	115 5	1 0	"	111 8		103	70-115			
Acetic Acid (C2)	112 2	1 0	"	107 6		104	90-125			
Propionic Acid (C3)	100.3	1 0	"	102 2		98 1	90-119			
Butyric Acid (C4)	105 8	1.0	"	104 7		101	90-123			

Keystone Laboratories, Inc. - Newton

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Jim Eggers For Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451 600 East 17th Street South Newton, IA 50208 Fax 641-792-7989

Hart & Hickman	Project: HRC Analysis	
2923 South Tryon St., Suite 100	Project Number: [none]	**Reported:**
Charlotte NC, 28203	Project Manager: Mike Crouch	04/12/06 15:45

Determination of Metabolic Acids - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D61238 - General Prep HPLC/IC										
Matrix Spike (1D61238-MS1)		**Source: 16D0207-01**		Prepared & Analyzed: 04/12/06						
Pyruvic Acid (C3)	19 61	0 1	mg/l	19 00	ND	103	81-129			
Lactic Acid (C3)	112.5	1 0	"	111 8	ND	101	70-116			
Acetic Acid (C2)	101.5	1 0	"	107 6	ND	94 3	85-125			
Propionic Acid (C3)	128 4	1.0	"	102 2	36 0	90.4	88-119			
Butyric Acid (C4)	138.4	1.0	"	104 7	32.0	102	85-123			
Matrix Spike Dup (1D61238-MSD1)		**Source: 16D0207-01**		Prepared & Analyzed: 04/12/06						
Pyruvic Acid (C3)	20 90	0 1	mg/l	19 00	ND	110	81-129	6 37	11	
Lactic Acid (C3)	104 6	1 0	"	111 8	ND	93 6	70-116	7 28	17	
Acetic Acid (C2)	106 3	1 0	"	107.6	ND	98 8	85-125	4 62	15	
Propionic Acid (C3)	137 4	1 0	"	102 2	36.0	99 2	88-119	6 77	14	
Butyric Acid (C4)	147 5	1 0	"	104.7	32.0	110	85-123	6 37	12	

Keystone Laboratories, Inc. - Newton

The results in this report apply to the samples analyzed in accordance with the chain of custody document This analytical report must be reproduced in its entirety

Jim Eggers For Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451 600 East 17th Street South Newton, IA 50208 Fax 641-792-7989

Hart & Hickman	Project: HRC Analysis	
2923 South Tryon St., Suite 100	Project Number: [none]	**Reported:**
Charlotte NC, 28203	Project Manager: Mike Crouch	04/12/06 15:45

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CHAIN OF CUSTODY RECORD

Keystone LABORATORIES, INC.

☒ 600 E. 17th St. S.
Newton, IA 50208
Phone: 641-792-8451
Fax: 641-792-7989

☐ 3012 Ansborough Ave.
Waterloo, IA 50701
Phone: 319-235-4440
Fax: 319-235-2480
www.keystonelabs.com

☐ 1304 Adams
Kansas City, KS 66103
Phone: 913-321-7856
Fax: 913-321-7937

PAGE 1 OF 1

PRINT OR TYPE INFORMATION BELOW
SAMPLER: SHANNON COTTRILL
SITE NAME: GOODRICH-DELAVAN
ADDRESS: HWY 301 SOUTH
CITY/ST/ZIP: BAMBERG, SC
PHONE:

REPORT TO:
NAME: MIKE CROUCH
COMPANY NAME: HART & HICKMAN, PC
ADDRESS: 2923 S. TRYON ST., STE 100
CITY/ST/ZIP: CHARLOTTE, NC 28203
PHONE: 704-586-0007
FAX: 704-586-0373

BILL TO:
NAME: MIKE CROUCH
COMPANY NAME: HART & HICKMAN, PC
ADDRESS: 2923 S. TRYON ST. STE 100
CITY/ST/ZIP: CHARLOTTE, NC 28203
PHONE: 704-586-0007

Keystone Quote No.: (If Applicable)

CLIENT SAMPLE NUMBER	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: METABOLIC ACIDS								LAB USE ONLY: SAMPLE CONDITION/COMMENTS	LABORATORY SAMPLE NUMBER
MW-1	3-28-06	1530	MW-1 WELLHEAD	1	GW	G	✓									01
MW-9	3-28-06	1500	MW-9 WELLHEAD	1	GW	G	✓									02
MW-10	3-28-06	1415	MW-10 WELLHEAD	1	GW	G	✓									03

LABORATORY WORK ORDER NO.: 16C1199

SAMPLE TEMPERATURE UPON RECEIPT: °C

Relinquished by: (Signature)	Date 3-28-06 Time 1900	Received by: (Signature)	Date / Time	Turn-Around: ☒ Standard ☐ Rush ____ Contact Lab Prior to Submission
Relinquished by: (Signature)	Date / Time	Received for Lab by: (Signature) JSO	Date 3-29-06 Time 11:24	Remarks: PLEASE EMAIL RESULTS TO: scottrill@harthickman.com

Original - Return with Report • Yellow - Lab Copy • Pink - Sampler Copy

FORM: CCR 7-97

Appendix B

June 2006 Laboratory Analytical Data

ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-01

Site ID : BAMBERG SC

Project # : GOR-006

Date Received : June 27, 2006
Description : Goodrich - Delavan

Sample ID : MW-1

Collected By : James McCutcheon
Collection Date : 06/26/06 13:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	BDL	10.	ppb	8015M	06/28/06	1
Chloride	4500	1000	ug/l	9056	06/27/06	1
Nitrate	1300	100	ug/l	9056	06/27/06	1
Sulfate	BDL	5000	ug/l	9056	06/27/06	1
TOC (Total Organic Carbon)	1100	1000	ug/l	9060	06/27/06	1
Volatile Organics						
Bromodichloromethane	BDL	1.0	ug/l	601MS	07/03/06	1
Bromoform	BDL	1.0	ug/l	601MS	07/03/06	1
Bromomethane	BDL	1.0	ug/l	601MS	07/03/06	1
Carbon Tetrachloride	BDL	1.0	ug/l	601MS	07/03/06	1
Chlorobenzene	BDL	1.0	ug/l	601MS	07/03/06	1
Chlorodibromomethane	BDL	1.0	ug/l	601MS	07/03/06	1
Chloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601MS	07/03/06	1
Chloroform	BDL	1.0	ug/l	601MS	07/03/06	1
Chloromethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/03/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/03/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/03/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	601MS	07/03/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	07/03/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	601MS	07/03/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/03/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/03/06	1
Methylene chloride	BDL	5.0	ug/l	601MS	07/03/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
Tetrachloroethene	4100	10.	ug/l	601MS	07/01/06	10
1,1,1-Trichloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
Trichloroethene	32.	1.0	ug/l	601MS	07/03/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	601MS	07/03/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

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Est. 1970

REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-01

Site ID : BAMBERG SC

Project # : GOR-006

Date Received : June 27, 2006
Description : Goodrich - Delavan

Sample ID : MW-1

Collected By : James McCutcheon
Collection Date : 06/26/06 13:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Vinyl chloride	BDL	1.0	ug/l	601MS	07/03/06	1
cis-1,2-Dichloroethene	13.	1.0	ug/l	601MS	07/03/06	1

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/03/06 10:43 Printed: 07/03/06 10:49

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Est. 1970

REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-02

Date Received : June 27, 2006
Description : Goodrich - Delavan

Site ID : BAMBERG SC

Sample ID : MW-9

Project # : GOR-006

Collected By : James McCutcheon
Collection Date : 06/26/06 13:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	BDL	10.	ppb	8015M	06/28/06	1
Chloride	1900	1000	ug/l	9056	06/27/06	1
Nitrate	150	100	ug/l	9056	06/27/06	1
Sulfate	9000	5000	ug/l	9056	06/27/06	1
TOC (Total Organic Carbon)	3900	1000	ug/l	9060	06/27/06	1
Volatile Organics						
Bromodichloromethane	BDL	1.0	ug/l	601MS	07/01/06	1
Bromoform	BDL	1.0	ug/l	601MS	07/01/06	1
Bromomethane	BDL	1.0	ug/l	601MS	07/01/06	1
Carbon Tetrachloride	BDL	1.0	ug/l	601MS	07/01/06	1
Chlorobenzene	BDL	1.0	ug/l	601MS	07/01/06	1
Chlorodibromomethane	BDL	1.0	ug/l	601MS	07/01/06	1
Chloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601MS	07/01/06	1
Chloroform	BDL	1.0	ug/l	601MS	07/01/06	1
Chloromethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/01/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/01/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/01/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,1-Dichloroethene	12.	1.0	ug/l	601MS	07/01/06	1
trans-1,2-Dichloroethene	1.7	1.0	ug/l	601MS	07/01/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	601MS	07/01/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/01/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/01/06	1
Methylene chloride	BDL	5.0	ug/l	601MS	07/01/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
Tetrachloroethene	1500	1.0	ug/l	601MS	07/01/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
Trichloroethene	330	1.0	ug/l	601MS	07/01/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	601MS	07/01/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-02

Site ID : BAMBERG SC

Project # : GOR-006

Date Received : June 27, 2006
Description : Goodrich - Delavan

Sample ID : MW-9

Collected By : James McCutcheon
Collection Date : 06/26/06 13:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Vinyl chloride	BDL	1.0	ug/l	601MS	07/01/06	1
cis-1,2-Dichloroethene	520	1.0	ug/l	601MS	07/01/06	1

Terrie Fudge ESC Representative

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

Reported: 07/03/06 10:43 Printed: 07/03/06 10:49

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Est. 1970

REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

Date Received : June 27, 2006
Description : Goodrich - Delavan

Sample ID : MW-10

Collected By : James McCutcheon
Collection Date : 06/26/06 12:30

ESC Sample # : L250501-03

Site ID : BAMBERG SC

Project # : GOR-006

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	BDL	10.	ppb	8015M	06/28/06	1
Chloride	2600	1000	ug/l	9056	06/27/06	1
Nitrate	200	100	ug/l	9056	06/27/06	1
Sulfate	BDL	5000	ug/l	9056	06/27/06	1
TOC (Total Organic Carbon)	BDL	1000	ug/l	9060	06/27/06	1
Volatile Organics						
Bromodichloromethane	BDL	20.	ug/l	601MS	07/02/06	20
Bromoform	BDL	20.	ug/l	601MS	07/02/06	20
Bromomethane	BDL	20.	ug/l	601MS	07/02/06	20
Carbon Tetrachloride	BDL	20.	ug/l	601MS	07/02/06	20
Chlorobenzene	BDL	20.	ug/l	601MS	07/02/06	20
Chlorodibromomethane	BDL	20.	ug/l	601MS	07/02/06	20
Chloroethane	BDL	20.	ug/l	601MS	07/02/06	20
2-Chloroethyl vinyl ether	BDL	1000	ug/l	601MS	07/02/06	20
Chloroform	BDL	20.	ug/l	601MS	07/02/06	20
Chloromethane	BDL	20.	ug/l	601MS	07/02/06	20
1,2-Dibromoethane	BDL	20.	ug/l	601MS	07/02/06	20
1,2-Dichlorobenzene	BDL	20.	ug/l	601MS	07/02/06	20
1,3-Dichlorobenzene	BDL	20.	ug/l	601MS	07/02/06	20
1,4-Dichlorobenzene	BDL	20.	ug/l	601MS	07/02/06	20
Dichlorodifluoromethane	BDL	20.	ug/l	601MS	07/02/06	20
1,1-Dichloroethane	BDL	20.	ug/l	601MS	07/02/06	20
1,2-Dichloroethane	BDL	20.	ug/l	601MS	07/02/06	20
1,1-Dichloroethene	BDL	20.	ug/l	601MS	07/02/06	20
trans-1,2-Dichloroethene	BDL	20.	ug/l	601MS	07/02/06	20
1,2-Dichloropropane	BDL	20.	ug/l	601MS	07/02/06	20
cis-1,3-Dichloropropene	BDL	20.	ug/l	601MS	07/02/06	20
trans-1,3-Dichloropropene	BDL	20.	ug/l	601MS	07/02/06	20
Methylene chloride	BDL	100	ug/l	601MS	07/02/06	20
1,1,2,2-Tetrachloroethane	BDL	20.	ug/l	601MS	07/02/06	20
Tetrachloroethene	1800	20.	ug/l	601MS	07/02/06	20
1,1,1-Trichloroethane	BDL	20.	ug/l	601MS	07/02/06	20
1,1,2-Trichloroethane	BDL	20.	ug/l	601MS	07/02/06	20
Trichloroethene	31.	20.	ug/l	601MS	07/02/06	20
Trichlorofluoromethane	BDL	20.	ug/l	601MS	07/02/06	20

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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Tax I D. 62-0814289

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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # . L250501-03

Date Received : June 27, 2006
Description : Goodrich - Delavan

Site ID : BAMBERG SC

Sample ID : MW-10

Project # : GOR-006

Collected By : James McCutcheon
Collection Date : 06/26/06 12:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Vinyl chloride	BDL	20.	ug/l	601MS	07/02/06	20
cis-1,2-Dichloroethene	21.	20.	ug/l	601MS	07/02/06	20

Terrie Fudge ESC Representative

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-04

Date Received : June 27, 2006
Description : Goodrich - Delavan

Site ID : BAMBERG SC

Sample ID : TRIP BLANK

Project # : GOR-006

Collected By : James McCutcheon
Collection Date : 06/26/06 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Bromodichloromethane	BDL	1.0	ug/l	601MS	07/02/06	1
Bromoform	BDL	1.0	ug/l	601MS	07/02/06	1
Bromomethane	BDL	1.0	ug/l	601MS	07/02/06	1
Carbon Tetrachloride	BDL	1.0	ug/l	601MS	07/02/06	1
Chlorobenzene	BDL	1.0	ug/l	601MS	07/02/06	1
Chlorodibromomethane	BDL	1.0	ug/l	601MS	07/02/06	1
Chloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601MS	07/02/06	1
Chloroform	BDL	1.0	ug/l	601MS	07/02/06	1
Chloromethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/02/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/02/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/02/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	601MS	07/02/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	07/02/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	601MS	07/02/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/02/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/02/06	1
Methylene chloride	BDL	5.0	ug/l	601MS	07/02/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
Tetrachloroethene	BDL	1.0	ug/l	601MS	07/02/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
Trichloroethene	BDL	1.0	ug/l	601MS	07/02/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	601MS	07/02/06	1
Vinyl chloride	BDL	1.0	ug/l	601MS	07/02/06	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	07/02/06	1

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L250501-01	Bromomethane	J4J3
	trans-1,3-Dichloropropene	J4
	Tetrachloroethene	E
	1,1,1-Trichloroethane	J4
L250501-02	Bromomethane	J4
	trans-1,3-Dichloropropene	J4
	1,1,2,2-Tetrachloroethane	E
	Trichloroethene	E
	cis-1,2-Dichloroethene	E
L250501-03	Bromomethane	J4J3
	trans-1,3-Dichloropropene	J4
	1,1,1-Trichloroethane	J4
L250501-04	Bromomethane	J4J3
	trans-1,3-Dichloropropene	J4
	1,1,1-Trichloroethane	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.
J4	The associated batch QC was outside the established quality control range for accuracy.
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	68-128	64-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	76-115	69-118
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	79-127	61-134

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
07/03/06 at 10:49:42

TSR Signing Reports: 064
R5 - Desired TAT

Sample: L250501-01 Account: TURNHART Received: 06/27/06 09:00 Due Date: 07/03/06 00:00 RPT Date: 07/03/06 10:43
SC Samples.
Sample: L250501-02 Account: TURNHART Received: 06/27/06 09:00 Due Date: 07/03/06 00:00 RPT Date: 07/03/06 10:43
SC Samples.
Sample: L250501-03 Account: TURNHART Received: 06/27/06 09:00 Due Date: 07/03/06 00:00 RPT Date: 07/03/06 10:43
SC Samples.
Sample: L250501-04 Account: TURNHART Received: 06/27/06 09:00 Due Date: 07/03/06 00:00 RPT Date: 07/03/06 10:43
SC Samples.

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Mr. Shannon Cottrill
2923 South Tryon Street; Ste 100

Charlotte, NC 28203

Quality Assurance Report
Level II

L250501

July 03, 2006

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Chloride	< 1	mg/l	06/27/06 12:32	WG256411
Nitrate	< .1	mg/l	06/27/06 12:32	WG256411
Sulfate	< 5	mg/l	06/27/06 12:32	WG256411
TOC (Total Organic Carbon)	< 1	mg/l	06/27/06 10:27	WG256415
Methane	< .01	ppm	06/28/06 08:56	WG256616
1,1,1-Trichloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,1,2,2-Tetrachloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,1,2-Trichloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,1-Dichloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,1-Dichloroethene	< .001	mg/l	06/30/06 16:51	WG257034
1,2-Dibromoethane	< .001	mg/l	06/30/06 16:51	WG257034
1,2-Dichlorobenzene	< .001	mg/l	06/30/06 16:51	WG257034
1,2-Dichloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,2-Dichloropropane	< .001	mg/l	06/30/06 16:51	WG257034
1,3-Dichlorobenzene	< .001	mg/l	06/30/06 16:51	WG257034
1,4-Dichlorobenzene	< .001	mg/l	06/30/06 16:51	WG257034
2-Chloroethyl vinyl ether	< .001	mg/l	06/30/06 16:51	WG257034
Bromodichloromethane	< .001	mg/l	06/30/06 16:51	WG257034
Bromoform	< .001	mg/l	06/30/06 16:51	WG257034
Bromomethane	< .001	mg/l	06/30/06 16:51	WG257034
Carbon Tetrachloride	< .001	mg/l	06/30/06 16:51	WG257034
Chlorobenzene	< .001	mg/l	06/30/06 16:51	WG257034
Chlorodibromomethane	< .001	mg/l	06/30/06 16:51	WG257034
Chloroethane	< .001	mg/l	06/30/06 16:51	WG257034
Chloroform	< .005	mg/l	06/30/06 16:51	WG257034
Chloromethane	< .001	mg/l	06/30/06 16:51	WG257034
cis-1,2-Dichloroethene	< .001	mg/l	06/30/06 16:51	WG257034
cis-1,3-Dichloropropene	< .001	mg/l	06/30/06 16:51	WG257034
Dichlorodifluoromethane	< .001	mg/l	06/30/06 16:51	WG257034
Methylene chloride	< .005	mg/l	06/30/06 16:51	WG257034
Tetrachloroethene	< .001	mg/l	06/30/06 16:51	WG257034
trans-1,2-Dichloroethene	< .001	mg/l	06/30/06 16:51	WG257034
trans-1,3-Dichloropropene	< .001	mg/l	06/30/06 16:51	WG257034
Trichloroethene	< .001	mg/l	06/30/06 16:51	WG257034
Trichlorofluoromethane	< .001	mg/l	06/30/06 16:51	WG257034
Vinyl chloride	< .001	mg/l	06/30/06 16:51	WG257034
1,1,1-Trichloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,1,2,2-Tetrachloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,1,2-Trichloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,1-Dichloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,1-Dichloroethene	< .001	mg/l	07/02/06 17:31	WG257127
1,2-Dibromoethane	< .001	mg/l	07/02/06 17:31	WG257127
1,2-Dichlorobenzene	< .001	mg/l	07/02/06 17:31	WG257127
1,2-Dichloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,2-Dichloropropane	< .001	mg/l	07/02/06 17:31	WG257127
1,3-Dichlorobenzene	< .001	mg/l	07/02/06 17:31	WG257127
1,4-Dichlorobenzene	< .001	mg/l	07/02/06 17:31	WG257127
2-Chloroethyl vinyl ether	< .001	mg/l	07/02/06 17:31	WG257127
Bromodichloromethane	< .001	mg/l	07/02/06 17:31	WG257127
Bromoform	< .001	mg/l	07/02/06 17:31	WG257127
Bromomethane	< .001	mg/l	07/02/06 17:31	WG257127
Carbon Tetrachloride	< .001	mg/l	07/02/06 17:31	WG257127
Chlorobenzene	< .001	mg/l	07/02/06 17:31	WG257127
Chlorodibromomethane	< .001	mg/l	07/02/06 17:31	WG257127
Chloroethane	< .001	mg/l	07/02/06 17:31	WG257127
Chloroform	< .005	mg/l	07/02/06 17:31	WG257127

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2923 South Tryon Street; Ste 100

Charlotte, NC 28203

Quality Assurance Report
Level II

L250501

July 03, 2006

Chloromethane	< .001	mg/l	07/02/06 17:31	WG257127

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
cis-1,2-Dichloroethene	< .001	mg/l	07/02/06 17:31	WG257127
cis-1,3-Dichloropropene	< .001	mg/l	07/02/06 17:31	WG257127
Dichlorodifluoromethane	< .001	mg/l	07/02/06 17:31	WG257127
Methylene chloride	< .005	mg/l	07/02/06 17:31	WG257127
Tetrachloroethene	< .001	mg/l	07/02/06 17:31	WG257127
trans-1,2-Dichloroethene	< .001	mg/l	07/02/06 17:31	WG257127
trans-1,3-Dichloropropene	< .001	mg/l	07/02/06 17:31	WG257127
Trichloroethene	< .001	mg/l	07/02/06 17:31	WG257127
Trichlorofluoromethane	< .001	mg/l	07/02/06 17:31	WG257127
Vinyl chloride	< .001	mg/l	07/02/06 17:31	WG257127

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Chloride	mg/l	7.41	7.33	1.06	20	L250520-05	WG256411
Chloride	mg/l	167.	165.	0.992	20	L250521-07	WG256411
Nitrate	mg/l	1.18	1.20	2.09	20	L250520-05	WG256411
Nitrate	mg/l	0.00	0.00	0.00	20	L250521-07	WG256411
Sulfate	mg/l	0.00	0.00	0.00	20	L250520-05	WG256411
Sulfate	mg/l	6.82	6.80	0.251	20	L250521-07	WG256411
TOC (Total Organic Carbon)	mg/l	11.4	12.0	5.13	20	L250436-02	WG256415
TOC (Total Organic Carbon)	mg/l	7.38	7.30	1.09	20	L250588-01	WG256415

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Chloride	mg/l	40	37.8	94.0	85-115	WG256411
Nitrate	mg/l	8	8.24	103.	85-115	WG256411
Sulfate	mg/l	40	37.8	95.0	90-110	WG256411
TOC (Total Organic Carbon)	mg/l	60	64.2	107.	85-115	WG256415
Methane	ppm	1000	956.	96.0	56-121	WG256616
1,1,1-Trichloroethane	mg/l	.02	0.0222	111.	62-133	WG257034
1,1,2,2-Tetrachloroethane	mg/l	.02	0.0214	107.	66-124	WG257034
1,1,2-Trichloroethane	mg/l	.02	0.0210	105.	62-124	WG257034
1,1-Dichloroethane	mg/l	.02	0.0204	102.	68-136	WG257034
1,1-Dichloroethene	mg/l	.02	0.0225	112.	59-135	WG257034
1,2-Dibromoethane	mg/l	.02	0.0222	111.	70-122	WG257034
1,2-Dichlorobenzene	mg/l	.02	0.0197	99.0	54-135	WG257034
1,2-Dichloroethane	mg/l	.02	0.0195	98.0	61-131	WG257034
1,2-Dichloropropane	mg/l	.02	0.0189	95.0	64-126	WG257034
1,3-Dichlorobenzene	mg/l	.02	0.0249	124.	45-143	WG257034
1,4-Dichlorobenzene	mg/l	.02	0.0193	96.0	48-138	WG257034
2-Chloroethyl vinyl ether	mg/l	.1	0.0525	53.0	36-136	WG257034
Bromodichloromethane	mg/l	.02	0.0206	103.	64-127	WG257034
Bromoform	mg/l	.02	0.0219	109.	60-139	WG257034
Bromomethane	mg/l	.02	0.0312	156.	30-125	WG257034
Carbon Tetrachloride	mg/l	.02	0.0231	115.	70-140	WG257034
Chlorobenzene	mg/l	.02	0.0219	109.	70-126	WG257034
Chlorodibromomethane	mg/l	.02	0.0211	106.	62-132	WG257034
Chloroethane	mg/l	.02	0.0166	83.0	43-146	WG257034
Chloroform	mg/l	.02	0.0217	109.	65-121	WG257034
Chloromethane	mg/l	.02	0.0196	98.0	45-131	WG257034
cis-1,2-Dichloroethene	mg/l	.02	0.0203	102.	68-123	WG257034
cis-1,3-Dichloropropene	mg/l	.02	0.0209	105.	66-121	WG257034
Dichlorodifluoromethane	mg/l	.02	0.0178	89.0	24-155	WG257034

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Quality Assurance Report
Level II

L250501

July 03, 2006

Methylene chloride	mg/l	.02	0.0218	109.	53-131	WG257034

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Tetrachloroethene	mg/l	.02	0.0235	118.	64-134	WG257034
trans-1,2-Dichloroethene	mg/l	.02	0.0216	108.	59-138	WG257034
trans-1,3-Dichloropropene	mg/l	.02	0.0214	107.	55-113	WG257034
Trichloroethene	mg/l	.02	0.0218	109.	74-120	WG257034
Trichlorofluoromethane	mg/l	.02	0.0191	96.0	49-121	WG257034
Vinyl chloride	mg/l	.02	0.0190	95.0	46-133	WG257034
1,1,1-Trichloroethane	mg/l	.02	0.0258	129.	62-133	WG257127
1,1,2,2-Tetrachloroethane	mg/l	.02	0.0216	108.	66-124	WG257127
1,1,2-Trichloroethane	mg/l	.02	0.0210	105.	62-124	WG257127
1,1-Dichloroethane	mg/l	.02	0.0244	122.	68-136	WG257127
1,1-Dichloroethene	mg/l	.02	0.0257	128.	59-135	WG257127
1,2-Dibromoethane	mg/l	.02	0.0224	112.	70-122	WG257127
1,2-Dichlorobenzene	mg/l	.02	0.0206	103.	54-135	WG257127
1,2-Dichloroethane	mg/l	.02	0.0226	113.	61-131	WG257127
1,2-Dichloropropane	mg/l	.02	0.0212	106.	64-126	WG257127
1,3-Dichlorobenzene	mg/l	.02	0.0233	116.	45-143	WG257127
1,4-Dichlorobenzene	mg/l	.02	0.0204	102.	48-138	WG257127
2-Chloroethyl vinyl ether	mg/l	.1	0.0712	71.0	36-136	WG257127
Bromodichloromethane	mg/l	.02	0.0231	116.	64-127	WG257127
Bromoform	mg/l	.02	0.0242	121.	60-139	WG257127
Bromomethane	mg/l	.02	0.0341	170.	30-125	WG257127
Carbon Tetrachloride	mg/l	.02	0.0274	137.	70-140	WG257127
Chlorobenzene	mg/l	.02	0.0219	110.	70-126	WG257127
Chlorodibromomethane	mg/l	.02	0.0217	109.	62-132	WG257127
Chloroethane	mg/l	.02	0.0204	102.	43-146	WG257127
Chloroform	mg/l	.02	0.0231	116.	65-121	WG257127
Chloromethane	mg/l	.02	0.0235	118.	45-131	WG257127
cis-1,2-Dichloroethene	mg/l	.02	0.0238	119.	68-123	WG257127
cis-1,3-Dichloropropene	mg/l	.02	0.0228	114.	66-121	WG257127
Dichlorodifluoromethane	mg/l	.02	0.0204	102.	24-155	WG257127
Methylene chloride	mg/l	.02	0.0246	123.	53-131	WG257127
Tetrachloroethene	mg/l	.02	0.0220	110.	64-134	WG257127
trans-1,2-Dichloroethene	mg/l	.02	0.0248	124.	59-138	WG257127
trans-1,3-Dichloropropene	mg/l	.02	0.0235	118.	55-113	WG257127
Trichloroethene	mg/l	.02	0.0231	115.	74-120	WG257127
Trichlorofluoromethane	mg/l	.02	0.0234	117.	49-121	WG257127
Vinyl chloride	mg/l	.02	0.0229	115.	46-133	WG257127

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Chloride	mg/l	37.7	37.8	0.0319	20	94	WG256411
Nitrate	mg/l	8.18	8.24	0.745	20	102	WG256411
Sulfate	mg/l	37.9	37.8	0.142	20	95	WG256411
TOC (Total Organic Carbon)	mg/l	64.6	64.2	0.621	20	108	WG256415
Methane	ppm	951.	956.	0.541	15	95	WG256616
1,1,1-Trichloroethane	mg/l	0.0238	0.0222	7.20	17	119	WG257034
1,1,2,2-Tetrachloroethane	mg/l	0.0238	0.0214	10.6	16	119	WG257034
1,1,2-Trichloroethane	mg/l	0.0223	0.0210	6.03	16	112	WG257034
1,1-Dichloroethane	mg/l	0.0215	0.0204	5.32	22	108	WG257034
1,1-Dichloroethene	mg/l	0.0240	0.0225	6.58	17	120	WG257034
1,2-Dibromoethane	mg/l	0.0238	0.0222	7.16	16	119	WG257034
1,2-Dichlorobenzene	mg/l	0.0215	0.0197	8.88	16	108	WG257034
1,2-Dichloroethane	mg/l	0.0218	0.0195	11.0	15	109	WG257034
1,2-Dichloropropane	mg/l	0.0209	0.0189	10.1	18	105	WG257034

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1,3-Dichlorobenzene	mg/l	0.0252	0.0249	1.13	17	126	WG257034

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,4-Dichlorobenzene	mg/l	0.0204	0.0193	5.76	17	102	WG257034
2-Chloroethyl vinyl ether	mg/l	0.0685	0.0525	26.4	28	69	WG257034
Bromodichloromethane	mg/l	0.0224	0.0206	8.11	17	112	WG257034
Bromoform	mg/l	0.0251	0.0219	13.6	15	125	WG257034
Bromomethane	mg/l	0.0262	0.0312	17.3	21	131	WG257034
Carbon Tetrachloride	mg/l	0.0240	0.0231	4.06	17	120	WG257034
Chlorobenzene	mg/l	0.0226	0.0219	3.31	16	113	WG257034
Chlorodibromomethane	mg/l	0.0233	0.0211	9.91	15	117	WG257034
Chloroethane	mg/l	0.0173	0.0166	3.63	24	86	WG257034
Chloroform	mg/l	0.0239	0.0217	9.54	15	119	WG257034
Chloromethane	mg/l	0.0210	0.0196	6.65	22	105	WG257034
cis-1,2-Dichloroethene	mg/l	0.0221	0.0203	8.27	15	110	WG257034
cis-1,3-Dichloropropene	mg/l	0.0226	0.0209	7.50	18	113	WG257034
Dichlorodifluoromethane	mg/l	0.0188	0.0178	5.20	22	94	WG257034
Methylene chloride	mg/l	0.0250	0.0218	13.4	17	125	WG257034
Tetrachloroethene	mg/l	0.0242	0.0235	2.99	18	121	WG257034
trans-1,2-Dichloroethene	mg/l	0.0229	0.0216	5.86	22	114	WG257034
trans-1,3-Dichloropropene	mg/l	0.0240	0.0214	11.3	18	120	WG257034
Trichloroethene	mg/l	0.0229	0.0218	4.85	16	114	WG257034
Trichlorofluoromethane	mg/l	0.0204	0.0191	6.34	19	102	WG257034
Vinyl chloride	mg/l	0.0210	0.0190	9.63	17	105	WG257034
1,1,1-Trichloroethane	mg/l	0.0266	0.0258	3.23	17	133	WG257127
1,1,2,2-Tetrachloroethane	mg/l	0.0236	0.0216	8.74	16	118	WG257127
1,1,2-Trichloroethane	mg/l	0.0216	0.0210	2.74	16	108	WG257127
1,1-Dichloroethane	mg/l	0.0246	0.0244	0.683	22	123	WG257127
1,1-Dichloroethene	mg/l	0.0251	0.0257	2.20	17	126	WG257127
1,2-Dibromoethane	mg/l	0.0230	0.0224	2.77	16	115	WG257127
1,2-Dichlorobenzene	mg/l	0.0202	0.0206	1.75	16	101	WG257127
1,2-Dichloroethane	mg/l	0.0233	0.0226	3.17	15	116	WG257127
1,2-Dichloropropane	mg/l	0.0221	0.0212	4.15	18	110	WG257127
1,3-Dichlorobenzene	mg/l	0.0228	0.0233	2.30	17	114	WG257127
1,4-Dichlorobenzene	mg/l	0.0200	0.0204	1.98	17	100	WG257127
2-Chloroethyl vinyl ether	mg/l	0.0652	0.0712	8.73	28	65	WG257127
Bromodichloromethane	mg/l	0.0235	0.0231	1.56	17	117	WG257127
Bromoform	mg/l	0.0245	0.0242	1.53	15	123	WG257127
Bromomethane	mg/l	0.0258	0.0341	27.7	21	129	WG257127
Carbon Tetrachloride	mg/l	0.0271	0.0274	1.01	17	135	WG257127
Chlorobenzene	mg/l	0.0213	0.0219	2.93	16	106	WG257127
Chlorodibromomethane	mg/l	0.0213	0.0217	1.97	15	106	WG257127
Chloroethane	mg/l	0.0207	0.0204	1.88	24	104	WG257127
Chloroform	mg/l	0.0232	0.0231	0.148	15	116	WG257127
Chloromethane	mg/l	0.0239	0.0235	1.34	22	119	WG257127
cis-1,2-Dichloroethene	mg/l	0.0239	0.0238	0.276	15	119	WG257127
cis-1,3-Dichloropropene	mg/l	0.0229	0.0228	0.682	18	115	WG257127
Dichlorodifluoromethane	mg/l	0.0205	0.0204	0.218	22	102	WG257127
Methylene chloride	mg/l	0.0247	0.0246	0.603	17	124	WG257127
Tetrachloroethene	mg/l	0.0219	0.0220	0.621	18	109	WG257127
trans-1,2-Dichloroethene	mg/l	0.0248	0.0248	0.161	22	124	WG257127
trans-1,3-Dichloropropene	mg/l	0.0240	0.0235	1.99	18	120	WG257127
Trichloroethene	mg/l	0.0234	0.0231	1.43	16	117	WG257127
Trichlorofluoromethane	mg/l	0.0239	0.0234	2.07	19	119	WG257127
Vinyl chloride	mg/l	0.0231	0.0229	0.711	17	115	WG257127

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chloride	mg/l	53.7	4.50	50	98.0	80-120	L250501-01	WG256411
Nitrate	mg/l	6.25	1.30	5	99.0	80-120	L250501-01	WG256411

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L250501

July 03, 2006

Sulfate	mg/l	49.6	0.00	50	99.0	80-120	L250501-01	WG256411

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TOC (Total Organic Carbon)	mg/l	49.3	2.80	50	93.0	80-120	L250290-18	WG256415
1,1,1-Trichloroethane	mg/l	0.0237	0.00	.02	119.	54-143	L250520-11	WG257034
1,1,2,2-Tetrachloroethane	mg/l	0.0192	0.00	.02	96.0	58-134	L250520-11	WG257034
1,1,2-Trichloroethane	mg/l	0.0187	0.00	.02	94.0	58-125	L250520-11	WG257034
1,1-Dichloroethane	mg/l	0.0272	0.0074	.02	99.0	53-136	L250520-11	WG257034
1,1-Dichloroethene	mg/l	0.0243	0.0021	.02	111.	58-145	L250520-11	WG257034
1,2-Dibromoethane	mg/l	0.0187	0.00	.02	93.0	64-126	L250520-11	WG257034
1,2-Dichlorobenzene	mg/l	0.0147	0.00	.02	73.0	0-0	L250520-11	WG257034
1,2-Dichloroethane	mg/l	0.0227	0.00	.02	113.	54-145	L250520-11	WG257034
1,2-Dichloropropane	mg/l	0.0201	0.00	.02	100.	55-135	L250520-11	WG257034
1,3-Dichlorobenzene	mg/l	0.0169	0.00	.02	85.0	47-128	L250520-11	WG257034
1,4-Dichlorobenzene	mg/l	0.0126	0.00	.02	63.0	47-123	L250520-11	WG257034
2-Chloroethyl vinyl ether	mg/l	0.0054	0.00	.1	5.0	28-148	L250520-11	WG257034
Bromodichloromethane	mg/l	0.0201	0.00	.02	101.	54-139	L250520-11	WG257034
Bromoform	mg/l	0.0186	0.00	.02	93.0	52-144	L250520-11	WG257034
Bromomethane	mg/l	0.0202	0.00	.02	101.	23-131	L250520-11	WG257034
Carbon Tetrachloride	mg/l	0.0222	0.00	.02	111.	51-147	L250520-11	WG257034
Chlorobenzene	mg/l	0.0170	0.00	.05	34.0	59-125	L250520-11	WG257034
Chlorodibromomethane	mg/l	0.0178	0.00	.02	89.0	57-133	L250520-11	WG257034
Chloroethane	mg/l	0.0163	0.00	.02	82.0	38-153	L250520-11	WG257034
Chloroform	mg/l	0.0279	0.00	.02	139.	55-133	L250520-11	WG257034
Chloromethane	mg/l	0.0164	0.00	.02	82.0	39-135	L250520-11	WG257034
cis-1,2-Dichloroethene	mg/l	0.0225	0.00	.02	112.	64-126	L250520-11	WG257034
cis-1,3-Dichloropropene	mg/l	0.0189	0.00	.02	94.0	54-122	L250520-11	WG257034
Dichlorodifluoromethane	mg/l	0.0130	0.00	.02	65.0	26-153	L250520-11	WG257034
Methylene chloride	mg/l	0.0259	0.00	.02	129.	44-143	L250520-11	WG257034
Tetrachloroethene	mg/l	0.0154	0.00	.02	77.0	53-128	L250520-11	WG257034
trans-1,2-Dichloroethene	mg/l	0.0193	0.00	.02	97.0	52-139	L250520-11	WG257034
trans-1,3-Dichloropropene	mg/l	0.0191	0.00	.02	96.0	48-113	L250520-11	WG257034
Trichloroethene	mg/l	0.0183	0.00	.02	91.0	57-135	L250520-11	WG257034
Trichlorofluoromethane	mg/l	0.0184	0.00	.02	92.0	42-134	L250520-11	WG257034
Vinyl chloride	mg/l	0.0172	0.00	.02	86.0	44-132	L250520-11	WG257034
1,1,1-Trichloroethane	mg/l	0.0274	0.00	.02	137.	54-143	L250740-01	WG257127
1,1,2,2-Tetrachloroethane	mg/l	0.0213	0.00	.02	107.	58-134	L250740-01	WG257127
1,1,2-Trichloroethane	mg/l	0.0207	0.00	.02	104.	58-125	L250740-01	WG257127
1,1-Dichloroethane	mg/l	0.0280	0.00	.02	140.	53-136	L250740-01	WG257127
1,1-Dichloroethene	mg/l	0.0257	0.00	.02	128.	58-145	L250740-01	WG257127
1,2-Dibromoethane	mg/l	0.0212	0.00	.02	106.	64-126	L250740-01	WG257127
1,2-Dichlorobenzene	mg/l	0.0167	0.00	.02	84.0	0-0	L250740-01	WG257127
1,2-Dichloroethane	mg/l	0.0276	0.00	.02	138.	54-145	L250740-01	WG257127
1,2-Dichloropropane	mg/l	0.0237	0.00	.02	118.	55-135	L250740-01	WG257127
1,3-Dichlorobenzene	mg/l	0.0175	0.00	.02	88.0	47-128	L250740-01	WG257127
1,4-Dichlorobenzene	mg/l	0.0157	0.00	.02	79.0	47-123	L250740-01	WG257127
2-Chloroethyl vinyl ether	mg/l	0.0736	0.00	.1	74.0	28-148	L250740-01	WG257127
Bromodichloromethane	mg/l	0.0246	0.00	.02	123.	54-139	L250740-01	WG257127
Bromoform	mg/l	0.0215	0.00	.02	107.	52-144	L250740-01	WG257127
Bromomethane	mg/l	0.0127	0.00	.02	63.0	23-131	L250740-01	WG257127
Carbon Tetrachloride	mg/l	0.0273	0.00	.02	137.	51-147	L250740-01	WG257127
Chlorobenzene	mg/l	0.0186	0.00	.05	37.0	59-125	L250740-01	WG257127
Chlorodibromomethane	mg/l	0.0201	0.00	.02	100.	57-133	L250740-01	WG257127
Chloroethane	mg/l	0.0212	0.00	.02	106.	38-153	L250740-01	WG257127
Chloroform	mg/l	0.0260	0.00	.02	130.	55-133	L250740-01	WG257127
Chloromethane	mg/l	0.0206	0.00	.02	103.	39-135	L250740-01	WG257127
cis-1,2-Dichloroethene	mg/l	0.0260	0.00	.02	130.	64-126	L250740-01	WG257127
cis-1,3-Dichloropropene	mg/l	0.0224	0.00	.02	112.	54-122	L250740-01	WG257127
Dichlorodifluoromethane	mg/l	0.0121	0.00	.02	60.0	26-153	L250740-01	WG257127
Methylene chloride	mg/l	0.0279	0.00	.02	140.	44-143	L250740-01	WG257127

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Tetrachloroethene	mg/l	0.0233	0.0018	.02	107.	53-128	L250740-01	WG257127

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
trans-1,2-Dichloroethene	mg/l	0.0243	0.00	.02	121.	52-139	L250740-01	WG257127
trans-1,3-Dichloropropene	mg/l	0.0226	0.00	.02	113.	48-113	L250740-01	WG257127
Trichloroethene	mg/l	0.0221	0.00	.02	111.	57-135	L250740-01	WG257127
Trichlorofluoromethane	mg/l	0.0226	0.00	.02	113.	42-134	L250740-01	WG257127
Vinyl chloride	mg/l	0.0214	0.00	.02	107.	44-132	L250740-01	WG257127

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Chloride	mg/l	55.3	53.7	2.76	20	102.	L250501-01	WG256411
Nitrate	mg/l	6.38	6.25	2.07	20	102.	L250501-01	WG256411
Sulfate	mg/l	50.5	49.6	1.78	20	101.	L250501-01	WG256411
TOC (Total Organic Carbon)	mg/l	49.1	49.3	0.407	20	93.0	L250290-18	WG256415
1,1,1-Trichloroethane	mg/l	0.0263	0.0237	10.2	22	131.	L250520-11	WG257034
1,1,2,2-Tetrachloroethane	mg/l	0.0201	0.0192	4.38	27	100.	L250520-11	WG257034
1,1,2-Trichloroethane	mg/l	0.0195	0.0187	4.10	19	97.0	L250520-11	WG257034
1,1-Dichloroethane	mg/l	0.0291	0.0272	6.79	22	109.	L250520-11	WG257034
1,1-Dichloroethene	mg/l	0.0265	0.0243	8.87	22	122.	L250520-11	WG257034
1,2-Dibromoethane	mg/l	0.0193	0.0187	3.52	19	97.0	L250520-11	WG257034
1,2-Dichlorobenzene	mg/l	0.0162	0.0147	9.74	19	81.0	L250520-11	WG257034
1,2-Dichloroethane	mg/l	0.0242	0.0227	6.32	21	121.	L250520-11	WG257034
1,2-Dichloropropane	mg/l	0.0212	0.0201	5.34	20	106.	L250520-11	WG257034
1,3-Dichlorobenzene	mg/l	0.0178	0.0169	4.77	25	89.0	L250520-11	WG257034
1,4-Dichlorobenzene	mg/l	0.0136	0.0126	7.42	18	68.0	L250520-11	WG257034
2-Chloroethyl vinyl ether	mg/l	0.0056	0.0054	3.16	18	6.00	L250520-11	WG257034
Bromodichloromethane	mg/l	0.0218	0.0201	7.99	19	109.	L250520-11	WG257034
Bromoform	mg/l	0.0189	0.0186	1.51	21	94.0	L250520-11	WG257034
Bromomethane	mg/l	0.0219	0.0202	8.04	24	110.	L250520-11	WG257034
Carbon Tetrachloride	mg/l	0.0249	0.0222	11.7	23	125.	L250520-11	WG257034
Chlorobenzene	mg/l	0.0180	0.0170	6.24	22	36.0	L250520-11	WG257034
Chlorodibromomethane	mg/l	0.0193	0.0178	8.30	19	96.0	L250520-11	WG257034
Chloroethane	mg/l	0.0170	0.0163	4.13	25	85.0	L250520-11	WG257034
Chloroform	mg/l	0.0300	0.0279	7.35	20	150.	L250520-11	WG257034
Chloromethane	mg/l	0.0174	0.0164	6.32	23	87.0	L250520-11	WG257034
cis-1,2-Dichloroethene	mg/l	0.0246	0.0225	9.00	18	123.	L250520-11	WG257034
cis-1,3-Dichloropropene	mg/l	0.0208	0.0189	9.98	22	104.	L250520-11	WG257034
Dichlorodifluoromethane	mg/l	0.0141	0.0130	7.83	25	70.0	L250520-11	WG257034
Methylene chloride	mg/l	0.0272	0.0259	4.99	22	136.	L250520-11	WG257034
Tetrachloroethene	mg/l	0.0171	0.0154	10.5	24	85.0	L250520-11	WG257034
trans-1,2-Dichloroethene	mg/l	0.0220	0.0193	13.0	24	110.	L250520-11	WG257034
trans-1,3-Dichloropropene	mg/l	0.0211	0.0191	9.80	22	105.	L250520-11	WG257034
Trichloroethene	mg/l	0.0201	0.0183	9.50	23	100.	L250520-11	WG257034
Trichlorofluoromethane	mg/l	0.0197	0.0184	6.90	21	99.0	L250520-11	WG257034
Vinyl chloride	mg/l	0.0183	0.0172	6.31	24	92.0	L250520-11	WG257034
1,1,1-Trichloroethane	mg/l	0.0281	0.0274	2.75	22	141.	L250740-01	WG257127
1,1,2,2-Tetrachloroethane	mg/l	0.0222	0.0213	4.25	27	111.	L250740-01	WG257127
1,1,2-Trichloroethane	mg/l	0.0203	0.0207	2.11	19	101.	L250740-01	WG257127
1,1-Dichloroethane	mg/l	0.0287	0.0280	2.72	22	144.	L250740-01	WG257127
1,1-Dichloroethene	mg/l	0.0250	0.0257	2.46	22	125.	L250740-01	WG257127
1,2-Dibromoethane	mg/l	0.0218	0.0212	2.73	19	109.	L250740-01	WG257127
1,2-Dichlorobenzene	mg/l	0.0168	0.0167	0.322	19	84.0	L250740-01	WG257127
1,2-Dichloroethane	mg/l	0.0275	0.0276	0.352	21	137.	L250740-01	WG257127
1,2-Dichloropropane	mg/l	0.0245	0.0237	3.43	20	123.	L250740-01	WG257127
1,3-Dichlorobenzene	mg/l	0.0186	0.0175	5.84	25	93.0	L250740-01	WG257127
1,4-Dichlorobenzene	mg/l	0.0155	0.0157	1.39	18	77.0	L250740-01	WG257127
2-Chloroethyl vinyl ether	mg/l	0.101	0.0736	31.8	18	101.	L250740-01	WG257127

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Hart & Hickman, PC
Mr. Shannon Cottrill
2923 South Tryon Street; Ste 100

Charlotte, NC 28203

Quality Assurance Report
Level II

L250501

July 03, 2006

Bromodichloromethane	mg/l	0.0255	0.0246	3.27	19	127.	L250740-01	WG257127

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Bromoform	mg/l	0.0230	0.0215	7.04	21	115.	L250740-01	WG257127
Bromomethane	mg/l	0.0170	0.0127	29.3	24	85.0	L250740-01	WG257127
Carbon Tetrachloride	mg/l	0.0282	0.0273	3.06	23	141.	L250740-01	WG257127
Chlorobenzene	mg/l	0.0193	0.0186	3.88	22	39.0	L250740-01	WG257127
Chlorodibromomethane	mg/l	0.0205	0.0201	2.13	19	103.	L250740-01	WG257127
Chloroethane	mg/l	0.0206	0.0212	2.95	25	103.	L250740-01	WG257127
Chloroform	mg/l	0.0261	0.0260	0.106	20	130.	L250740-01	WG257127
Chloromethane	mg/l	0.0203	0.0206	1.72	23	101.	L250740-01	WG257127
cis-1,2-Dichloroethene	mg/l	0.0269	0.0260	3.20	18	134.	L250740-01	WG257127
cis-1,3-Dichloropropene	mg/l	0.0231	0.0224	2.86	22	115.	L250740-01	WG257127
Dichlorodifluoromethane	mg/l	0.0124	0.0121	2.49	25	62.0	L250740-01	WG257127
Methylene chloride	mg/l	0.0272	0.0279	2.64	22	136.	L250740-01	WG257127
Tetrachloroethene	mg/l	0.0202	0.0233	14.0	24	92.0	L250740-01	WG257127
trans-1,2-Dichloroethene	mg/l	0.0283	0.0243	15.4	24	142.	L250740-01	WG257127
trans-1,3-Dichloropropene	mg/l	0.0230	0.0226	2.11	22	115.	L250740-01	WG257127
Trichloroethene	mg/l	0.0228	0.0221	3.18	23	114.	L250740-01	WG257127
Trichlorofluoromethane	mg/l	0.0221	0.0226	1.97	21	111.	L250740-01	WG257127
Vinyl chloride	mg/l	0.0212	0.0214	1.12	24	106.	L250740-01	WG257127

Batch number /Run number / Sample number cross reference

WG256415: R280288: L250501-01 02 03
WG256411: R280314: L250501-01 02 03
WG256616: R280368: L250501-01 02 03
WG257034: R280791: L250501-01 02
WG257127: R280842: L250501-01 03 04

* * Calculations are performed prior to rounding of reported values .

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Hart & Hickman, PC
Mr. Shannon Cottrill
2923 South Tryon Street; Ste 100

Charlotte, NC 28203

Quality Assurance Report
Level II

L250501

July 03, 2006

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Keystone
LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

MEMBER ACIL

05 July 2006

Shannon Cottrill
Hart & Hickman
2923 South Tryon St., Suite 100
Charlotte, NC 28203

RECEIVED
JUL 10 2006

RE: HRC Analysis
Goodrich-Delavan

Enclosed are the results of analyses for samples received by the laboratory on 06/27/06 13:49. If you have any questions concerning this report, please feel free to contact me at 1-800-858-5227.

Sincerely,

Jim Eggers For Jeffrey King, Ph.D.
Laboratory Director

Phone 641-792-8451 | 600 East 17th Street South, Newton, IA 50208 | Fax 641-792-7989

Keystone LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

MEMBER ACIL

Hart & Hickman 2923 South Tryon St., Suite 100 Charlotte NC, 28203	Project: HRC Analysis Project Number. Goodrich-Delavan Project Manager: Shannon Cottrill	**Reported:** 07/05/06 12.45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	16F1258-01	Water	06/26/06 13:50	06/27/06 13:49
MW-9	16F1258-02	Water	06/26/06 13:20	06/27/06 13:49
MW-10	16F1258-03	Water	06/26/06 12:30	06/27/06 13:49

Keystone Laboratories, Inc. - Newton

The results in this report apply to the samples analyzed in accordance with the chain of custody document This analytical report must be reproduced in its entirety

Jim Eggers For Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451 600 East 17th Street South Newton, IA 50208 Fax 641-792-7989

Hart & Hickman	Project: HRC Analysis	
2923 South Tryon St., Suite 100	Project Number: Goodrich-Delavan	**Reported:**
Charlotte NC, 28203	Project Manager: Shannon Cottrill	07/05/06 12:45

MW-1
16F1258-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Keystone Laboratories, Inc. - Newton									
Determination of Metabolic Acids									
Pyruvic Acid (C3)	ND	0.1	mg/l	1	1F63013	06/29/06	06/29/06	HPLC/UV	
Lactic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Acetic Acid (C2)	ND	1.0	"	"	"	"	"	"	
Propionic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Butyric Acid (C4)	ND	1.0	"	"	"	"	"	"	

Hart & Hickman 2923 South Tryon St., Suite 100 Charlotte NC, 28203	Project: HRC Analysis Project Number: Goodrich-Delavan Project Manager: Shannon Cottrill	**Reported:** 07/05/06 12:45

MW-9
16F1258-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Keystone Laboratories, Inc. - Newton									
Determination of Metabolic Acids									
Pyruvic Acid (C3)	ND	0.1	mg/l	1	1F63013	06/29/06	06/29/06	HPLC/UV	
Lactic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Acetic Acid (C2)	ND	1.0	"	"	"	"	"	"	
Propionic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Butyric Acid (C4)	ND	1.0	"	"	"	"	"	"	

Hart & Hickman	Project: HRC Analysis	
2923 South Tryon St., Suite 100	Project Number: Goodrich-Delavan	**Reported:**
Charlotte NC, 28203	Project Manager: Shannon Cottrill	07/05/06 12:45

MW-10
16F1258-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Keystone Laboratories, Inc. - Newton									
Determination of Metabolic Acids									
Pyruvic Acid (C3)	ND	0.1	mg/l	1	1F63013	06/29/06	06/29/06	HPLC/UV	
Lactic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Acetic Acid (C2)	ND	1.0	"	"	"	"	"	"	
Propionic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Butyric Acid (C4)	ND	1.0	"	"	"	"	"	"	

Keystone Laboratories, Inc. - Newton

The results in this report apply to the samples analyzed in accordance with the chain of custody document This analytical report must be reproduced in its entirety

Jim Eggers For Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451 | 600 East 17th Street South Newton, IA 50208 | Fax 641-792-7989

Hart & Hickman 2923 South Tryon St., Suite 100 Charlotte NC, 28203	Project: HRC Analysis Project Number: Goodrich-Delavan Project Manager: Shannon Cottrill	**Reported:** 07/05/06 12:45

Determination of Metabolic Acids - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 16F3009 - 1F63013										
Calibration Check (16F3009-CCV1)				Prepared & Analyzed: 06/29/06						
Pyruvic Acid (C3)	10.36		mg/l	10 50		98.7	80-120			
Lactic Acid (C3)	78.29		"	83 50		93.8	80-120			
Acetic Acid (C2)	97.37		"	99 90		97 5	80-120			
Propionic Acid (C3)	99 39		"	100.0		99.4	80-120			
Butyric Acid (C4)	94.72		"	96 10		98 6	80-120			
Calibration Check (16F3009-CCV2)				Prepared: 06/29/06 Analyzed: 06/30/06						
Pyruvic Acid (C3)	11 17		mg/l	10.50		106	80-120			
Lactic Acid (C3)	77 21		"	83.50		92 5	80-120			
Acetic Acid (C2)	98.39		"	99 90		98 5	80-120			
Propionic Acid (C3)	103 3		"	100 0		103	80-120			
Butyric Acid (C4)	103 0		"	96 10		107	80-120			
Batch 1F63013 - General Prep HPLC/IC										
Blank (1F63013-BLK1)				Prepared & Analyzed: 06/29/06						
Pyruvic Acid (C3)	ND	0 1	mg/l							
Lactic Acid (C3)	ND	1 0	"							
Acetic Acid (C2)	ND	1.0	"							
Propionic Acid (C3)	ND	1.0	"							
Butyric Acid (C4)	ND	1 0	"							
LCS (1F63013-BS1)				Prepared & Analyzed: 06/29/06						
Pyruvic Acid (C3)	16 02	0 1	mg/l	16 40		97 7	90-127		10	
Lactic Acid (C3)	99.26	1.0	"	111.0		89 4	70-115		15	
Acetic Acid (C2)	109.1	1.0	"	103.0		106	90-125		12	
Propionic Acid (C3)	105 0	1.0	"	101.0		104	90-119		11	
Butyric Acid (C4)	106.2	1.0	"	104.0		102	90-123		14	

Keystone Laboratories, Inc. - Newton

The results in this report apply to the samples analyzed in accordance with the chain of custody document This analytical report must be reproduced in its entirety.

Jim Eggers For Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451 600 East 17th Street South Newton, IA 50208 Fax 641-792-7989

Hart & Hickman 2923 South Tryon St., Suite 100 Charlotte NC, 28203	Project: HRC Analysis Project Number: Goodrich-Delavan Project Manager: Shannon Cottrill	**Reported:** 07/05/06 12:45

Determination of Metabolic Acids - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1F63013 - General Prep HPLC/IC										
Matrix Spike (1F63013-MS1)		**Source: 16F1258-01**		Prepared & Analyzed: 06/29/06						
Pyruvic Acid (C3)	16 17	0 1	mg/l	16.40	ND	98.6	81-129		11	
Lactic Acid (C3)	110 2	1.0	"	111 0	ND	99.3	70-116		17	
Acetic Acid (C2)	102 8	1.0	"	103.0	ND	99.8	85-125		15	
Propionic Acid (C3)	96 72	1 0	"	101.0	ND	95.8	88-119		14	
Butyric Acid (C4)	95 61	1 0	"	104.0	ND	91.9	85-123		12	
Matrix Spike Dup (1F63013-MSD1)		**Source: 16F1258-01**		Prepared & Analyzed: 06/29/06						
Pyruvic Acid (C3)	15 80	0 1	mg/l	16.40	ND	96 3	81-129	2 31	11	
Lactic Acid (C3)	107.1	1 0	"	111 0	ND	96 5	70-116	2 85	17	
Acetic Acid (C2)	106 3	1 0	"	103 0	ND	103	85-125	3 35	15	
Propionic Acid (C3)	101 9	1 0	"	101.0	ND	101	88-119	5 22	14	
Butyric Acid (C4)	101 0	1 0	"	104 0	ND	97 1	85-123	5 48	12	

Phone 641-792-8451 600 East 17th Street South Newton, IA 50208 Fax 641-792-7989

Hart & Hickman 2923 South Tryon St., Suite 100 Charlotte NC, 28203	Project: HRC Analysis Project Number: Goodrich-Delavan Project Manager: Shannon Cottrill	**Reported:** 07/05/06 12:45

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CHAIN OF CUSTODY RECORD

Keystone LABORATORIES, INC.

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Phone: 913-321-7856
Fax: 913-321-7937

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PAGE 1 OF 1

PRINT OR TYPE INFORMATION BELOW

SAMPLER: JAMES MCCUTCHEON
SITE NAME: GOODNOW - DELAVAN
ADDRESS: HWY 301 SOUTH
CITY/ST/ZIP: BAMBERG, SC 29003
PHONE:

REPORT TO:
NAME: SHANNON COTTRELL
COMPANY NAME: HART & HECKMAN, PC
ADDRESS: 2923 S. TRYON ST. SUITE 100
CITY/ST/ZIP: CHARLOTTE, NC 28203
PHONE: 704-586-0007
FAX: 704-586-0373

BILL TO:
NAME: SHANNON COTTRELL
COMPANY NAME: HART & HECKMAN, PC
ADDRESS: 2923 S. TRYON ST. SUITE 100
CITY/ST/ZIP: CHARLOTTE, NC 28203
PHONE: 704-586-0007

Keystone Quote No.: (If Applicable)

CLIENT SAMPLE NUMBER	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: METHANOL ACIDS								LAB USE ONLY: LABORATORY SAMPLE NUMBER
MW-1	6-26-06	1350	MW-1 @ WELLHEAD	1	GW	G	X								01
MW-9	6-26-06	1320	MW-9 @ WELLHEAD	1	GW	G	X								02
MW-10	6-26-06	1230	MW-10 @ WELLHEAD	1	GW	G	X								03

LABORATORY WORK ORDER NO.: 1671258

SAMPLE TEMPERATURE UPON RECEIPT: °C

SAMPLE CONDITION/COMMENTS

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	Turn-Around:
James McCutcheon	6-26-06 / 1730			☒ Standard ☐ Rush ____ Contact Lab Prior to Submission
Relinquished by: (Signature)	Date / Time	Received for Lab by: (Signature)	Date / Time	Remarks:
		[illegible]	6-27-06 / 1:49	

Original - Return with Report • Yellow - Lab Copy • Pink - Sampler Copy

FORM: CCR 7-97

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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

Date Received : June 27, 2006
Description : Goodrich - Delavan

Sample ID : MW-1

Collected By : James McCutcheon
Collection Date : 06/26/06 13:50

ESC Sample # : L250501-01

Site ID : BAMBERG SC

Project # : GOR-006

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	BDL	10.	ppb	8015M	06/28/06	1
Chloride	4500	1000	ug/l	9056	06/27/06	1
Nitrate	1300	100	ug/l	9056	06/27/06	1
Sulfate	BDL	5000	ug/l	9056	06/27/06	1
TOC (Total Organic Carbon)	1100	1000	ug/l	9060	06/27/06	1
Volatile Organics						
Bromodichloromethane	BDL	1.0	ug/l	601MS	07/03/06	1
Bromoform	BDL	1.0	ug/l	601MS	07/03/06	1
Bromomethane	BDL	1.0	ug/l	601MS	07/03/06	1
Carbon Tetrachloride	BDL	1.0	ug/l	601MS	07/03/06	1
Chlorobenzene	BDL	1.0	ug/l	601MS	07/03/06	1
Chlorodibromomethane	BDL	1.0	ug/l	601MS	07/03/06	1
Chloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601MS	07/03/06	1
Chloroform	BDL	1.0	ug/l	601MS	07/03/06	1
Chloromethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/03/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/03/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/03/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	601MS	07/03/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	07/03/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	601MS	07/03/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/03/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/03/06	1
Methylene chloride	BDL	5.0	ug/l	601MS	07/03/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
Tetrachloroethene	4100	10.	ug/l	601MS	07/01/06	10
1,1,1-Trichloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
Trichloroethene	32.	1.0	ug/l	601MS	07/03/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	601MS	07/03/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-01

Site ID : BAMBERG SC

Project # : GOR-006

Date Received : June 27, 2006
Description : Goodrich - Delavan

Sample ID : MW-1

Collected By : James McCutcheon
Collection Date : 06/26/06 13:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Vinyl chloride	BDL	1.0	ug/l	601MS	07/03/06	1
cis-1,2-Dichloroethene	13.	1.0	ug/l	601MS	07/03/06	1

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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REPORT OF ANALYSIS

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Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

Date Received : June 27, 2006
Description : Goodrich - Delavan

ESC Sample # : L250501-02

Sample ID : MW-9

Site ID : BAMBERG SC

Project # : GOR-006

Collected By : James McCutcheon
Collection Date : 06/26/06 13:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	BDL	10.	ppb	8015M	06/28/06	1
Chloride	1900	1000	ug/l	9056	06/27/06	1
Nitrate	150	100	ug/l	9056	06/27/06	1
Sulfate	9000	5000	ug/l	9056	06/27/06	1
TOC (Total Organic Carbon)	3900	1000	ug/l	9060	06/27/06	1
Volatile Organics						
Bromodichloromethane	BDL	1.0	ug/l	601MS	07/01/06	1
Bromoform	BDL	1.0	ug/l	601MS	07/01/06	1
Bromomethane	BDL	1.0	ug/l	601MS	07/01/06	1
Carbon Tetrachloride	BDL	1.0	ug/l	601MS	07/01/06	1
Chlorobenzene	BDL	1.0	ug/l	601MS	07/01/06	1
Chlorodibromomethane	BDL	1.0	ug/l	601MS	07/01/06	1
Chloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601MS	07/01/06	1
Chloroform	BDL	1.0	ug/l	601MS	07/01/06	1
Chloromethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/01/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/01/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/01/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,1-Dichloroethene	12.	1.0	ug/l	601MS	07/01/06	1
trans-1,2-Dichloroethene	1.7	1.0	ug/l	601MS	07/01/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	601MS	07/01/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/01/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/01/06	1
Methylene chloride	BDL	5.0	ug/l	601MS	07/01/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
Tetrachloroethene	1500	1.0	ug/l	601MS	07/01/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
Trichloroethene	330	1.0	ug/l	601MS	07/01/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	601MS	07/01/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-02

Date Received : June 27, 2006
Description : Goodrich - Delavan

Site ID : BAMBERG SC

Sample ID : MW-9

Project # : GOR-006

Collected By : James McCutcheon
Collection Date : 06/26/06 13:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Vinyl chloride	BDL	1.0	ug/l	601MS	07/01/06	1
cis-1,2-Dichloroethene	520	1.0	ug/l	601MS	07/01/06	1

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-03

Site ID : BAMBERG SC

Project # : GOR-006

Date Received : June 27, 2006
Description : Goodrich - Delavan

Sample ID : MW-10

Collected By : James McCutcheon
Collection Date : 06/26/06 12:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	BDL	10.	ppb	8015M	06/28/06	1
Chloride	2600	1000	ug/l	9056	06/27/06	1
Nitrate	200	100	ug/l	9056	06/27/06	1
Sulfate	BDL	5000	ug/l	9056	06/27/06	1
TOC (Total Organic Carbon)	BDL	1000	ug/l	9060	06/27/06	1
Volatile Organics						
Bromodichloromethane	BDL	20.	ug/l	601MS	07/02/06	20
Bromoform	BDL	20.	ug/l	601MS	07/02/06	20
Bromomethane	BDL	20.	ug/l	601MS	07/02/06	20
Carbon Tetrachloride	BDL	20.	ug/l	601MS	07/02/06	20
Chlorobenzene	BDL	20.	ug/l	601MS	07/02/06	20
Chlorodibromomethane	BDL	20.	ug/l	601MS	07/02/06	20
Chloroethane	BDL	20.	ug/l	601MS	07/02/06	20
2-Chloroethyl vinyl ether	BDL	1000	ug/l	601MS	07/02/06	20
Chloroform	BDL	20.	ug/l	601MS	07/02/06	20
Chloromethane	BDL	20.	ug/l	601MS	07/02/06	20
1,2-Dibromoethane	BDL	20.	ug/l	601MS	07/02/06	20
1,2-Dichlorobenzene	BDL	20.	ug/l	601MS	07/02/06	20
1,3-Dichlorobenzene	BDL	20.	ug/l	601MS	07/02/06	20
1,4-Dichlorobenzene	BDL	20.	ug/l	601MS	07/02/06	20
Dichlorodifluoromethane	BDL	20.	ug/l	601MS	07/02/06	20
1,1-Dichloroethane	BDL	20.	ug/l	601MS	07/02/06	20
1,2-Dichloroethane	BDL	20.	ug/l	601MS	07/02/06	20
1,1-Dichloroethene	BDL	20.	ug/l	601MS	07/02/06	20
trans-1,2-Dichloroethene	BDL	20.	ug/l	601MS	07/02/06	20
1,2-Dichloropropane	BDL	20.	ug/l	601MS	07/02/06	20
cis-1,3-Dichloropropene	BDL	20.	ug/l	601MS	07/02/06	20
trans-1,3-Dichloropropene	BDL	20.	ug/l	601MS	07/02/06	20
Methylene chloride	BDL	100	ug/l	601MS	07/02/06	20
1,1,2,2-Tetrachloroethane	BDL	20.	ug/l	601MS	07/02/06	20
Tetrachloroethene	1800	20.	ug/l	601MS	07/02/06	20
1,1,1-Trichloroethane	BDL	20.	ug/l	601MS	07/02/06	20
1,1,2-Trichloroethane	BDL	20.	ug/l	601MS	07/02/06	20
Trichloroethene	31.	20.	ug/l	601MS	07/02/06	20
Trichlorofluoromethane	BDL	20.	ug/l	601MS	07/02/06	20

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-03

Date Received : June 27, 2006
Description : Goodrich - Delavan

Site ID : BAMBERG SC

Sample ID : MW-10

Project # : GOR-006

Collected By : James McCutcheon
Collection Date : 06/26/06 12:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Vinyl chloride	BDL	20.	ug/l	601MS	07/02/06	20
cis-1,2-Dichloroethene	21.	20.	ug/l	601MS	07/02/06	20

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-04

Date Received : June 27, 2006
Description : Goodrich - Delavan

Site ID : BAMBERG SC

Sample ID : TRIP BLANK

Project # : GOR-006

Collected By : James McCutcheon
Collection Date : 06/26/06 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Bromodichloromethane	BDL	1.0	ug/l	601MS	07/02/06	1
Bromoform	BDL	1.0	ug/l	601MS	07/02/06	1
Bromomethane	BDL	1.0	ug/l	601MS	07/02/06	1
Carbon Tetrachloride	BDL	1.0	ug/l	601MS	07/02/06	1
Chlorobenzene	BDL	1.0	ug/l	601MS	07/02/06	1
Chlorodibromomethane	BDL	1.0	ug/l	601MS	07/02/06	1
Chloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601MS	07/02/06	1
Chloroform	BDL	1.0	ug/l	601MS	07/02/06	1
Chloromethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/02/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/02/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/02/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	601MS	07/02/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	07/02/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	601MS	07/02/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/02/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/02/06	1
Methylene chloride	BDL	5.0	ug/l	601MS	07/02/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
Tetrachloroethene	BDL	1.0	ug/l	601MS	07/02/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
Trichloroethene	BDL	1.0	ug/l	601MS	07/02/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	601MS	07/02/06	1
Vinyl chloride	BDL	1.0	ug/l	601MS	07/02/06	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	07/02/06	1

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L250501-01	Bromomethane	J4J3
	trans-1,3-Dichloropropene	J4
	Tetrachloroethene	E
	1,1,1-Trichloroethane	J4
L250501-02	Bromomethane	J4
	trans-1,3-Dichloropropene	J4
	1,1,2,2-Tetrachloroethane	E
	Trichloroethene	E
	cis-1,2-Dichloroethene	E
L250501-03	Bromomethane	J4J3
	trans-1,3-Dichloropropene	J4
	1,1,1-Trichloroethane	J4
L250501-04	Bromomethane	J4J3
	trans-1,3-Dichloropropene	J4
	1,1,1-Trichloroethane	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.
J4	The associated batch QC was outside the established quality control range for accuracy.
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	68-128	64-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	76-115	69-118
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	79-127	61-134

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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Hart & Hickman, PC
Mr. Shannon Cottrill
2923 South Tryon Street; Ste 100

Charlotte, NC 28203

Quality Assurance Report
Level II

L250501

July 03, 2006

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Chloride	< 1	mg/l	06/27/06 12:32	WG256411
Nitrate	< .1	mg/l	06/27/06 12:32	WG256411
Sulfate	< 5	mg/l	06/27/06 12:32	WG256411
TOC (Total Organic Carbon)	< 1	mg/l	06/27/06 10:27	WG256415
Methane	< .01	ppm	06/28/06 08:56	WG256616
1,1,1-Trichloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,1,2,2-Tetrachloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,1,2-Trichloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,1-Dichloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,1-Dichloroethene	< .001	mg/l	06/30/06 16:51	WG257034
1,2-Dibromoethane	< .001	mg/l	06/30/06 16:51	WG257034
1,2-Dichlorobenzene	< .001	mg/l	06/30/06 16:51	WG257034
1,2-Dichloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,2-Dichloropropane	< .001	mg/l	06/30/06 16:51	WG257034
1,3-Dichlorobenzene	< .001	mg/l	06/30/06 16:51	WG257034
1,4-Dichlorobenzene	< .001	mg/l	06/30/06 16:51	WG257034
2-Chloroethyl vinyl ether	< .001	mg/l	06/30/06 16:51	WG257034
Bromodichloromethane	< .001	mg/l	06/30/06 16:51	WG257034
Bromoform	< .001	mg/l	06/30/06 16:51	WG257034
Bromomethane	< .001	mg/l	06/30/06 16:51	WG257034
Carbon Tetrachloride	< .001	mg/l	06/30/06 16:51	WG257034
Chlorobenzene	< .001	mg/l	06/30/06 16:51	WG257034
Chlorodibromomethane	< .001	mg/l	06/30/06 16:51	WG257034
Chloroethane	< .001	mg/l	06/30/06 16:51	WG257034
Chloroform	< .005	mg/l	06/30/06 16:51	WG257034
Chloromethane	< .001	mg/l	06/30/06 16:51	WG257034
cis-1,2-Dichloroethene	< .001	mg/l	06/30/06 16:51	WG257034
cis-1,3-Dichloropropene	< .001	mg/l	06/30/06 16:51	WG257034
Dichlorodifluoromethane	< .001	mg/l	06/30/06 16:51	WG257034
Methylene chloride	< .005	mg/l	06/30/06 16:51	WG257034
Tetrachloroethene	< .001	mg/l	06/30/06 16:51	WG257034
trans-1,2-Dichloroethene	< .001	mg/l	06/30/06 16:51	WG257034
trans-1,3-Dichloropropene	< .001	mg/l	06/30/06 16:51	WG257034
Trichloroethene	< .001	mg/l	06/30/06 16:51	WG257034
Trichlorofluoromethane	< .001	mg/l	06/30/06 16:51	WG257034
Vinyl chloride	< .001	mg/l	06/30/06 16:51	WG257034
1,1,1-Trichloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,1,2,2-Tetrachloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,1,2-Trichloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,1-Dichloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,1-Dichloroethene	< .001	mg/l	07/02/06 17:31	WG257127
1,2-Dibromoethane	< .001	mg/l	07/02/06 17:31	WG257127
1,2-Dichlorobenzene	< .001	mg/l	07/02/06 17:31	WG257127
1,2-Dichloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,2-Dichloropropane	< .001	mg/l	07/02/06 17:31	WG257127
1,3-Dichlorobenzene	< .001	mg/l	07/02/06 17:31	WG257127
1,4-Dichlorobenzene	< .001	mg/l	07/02/06 17:31	WG257127
2-Chloroethyl vinyl ether	< .001	mg/l	07/02/06 17:31	WG257127
Bromodichloromethane	< .001	mg/l	07/02/06 17:31	WG257127
Bromoform	< .001	mg/l	07/02/06 17:31	WG257127
Bromomethane	< .001	mg/l	07/02/06 17:31	WG257127
Carbon Tetrachloride	< .001	mg/l	07/02/06 17:31	WG257127
Chlorobenzene	< .001	mg/l	07/02/06 17:31	WG257127
Chlorodibromomethane	< .001	mg/l	07/02/06 17:31	WG257127
Chloroethane	< .001	mg/l	07/02/06 17:31	WG257127
Chloroform	< .005	mg/l	07/02/06 17:31	WG257127

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Quality Assurance Report
Level II

L250501

July 03, 2006

Chloromethane	< .001	mg/l	07/02/06 17:31	WG257127

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
cis-1,2-Dichloroethene	< .001	mg/l	07/02/06 17:31	WG257127
cis-1,3-Dichloropropene	< .001	mg/l	07/02/06 17:31	WG257127
Dichlorodifluoromethane	< .001	mg/l	07/02/06 17:31	WG257127
Methylene chloride	< .005	mg/l	07/02/06 17:31	WG257127
Tetrachloroethene	< .001	mg/l	07/02/06 17:31	WG257127
trans-1,2-Dichloroethene	< .001	mg/l	07/02/06 17:31	WG257127
trans-1,3-Dichloropropene	< .001	mg/l	07/02/06 17:31	WG257127
Trichloroethene	< .001	mg/l	07/02/06 17:31	WG257127
Trichlorofluoromethane	< .001	mg/l	07/02/06 17:31	WG257127
Vinyl chloride	< .001	mg/l	07/02/06 17:31	WG257127

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Chloride	mg/l	7.41	7.33	1.06	20	L250520-05	WG256411
Chloride	mg/l	167.	165.	0.992	20	L250521-07	WG256411
Nitrate	mg/l	1.18	1.20	2.09	20	L250520-05	WG256411
Nitrate	mg/l	0.00	0.00	0.00	20	L250521-07	WG256411
Sulfate	mg/l	0.00	0.00	0.00	20	L250520-05	WG256411
Sulfate	mg/l	6.82	6.80	0.251	20	L250521-07	WG256411
TOC (Total Organic Carbon)	mg/l	11.4	12.0	5.13	20	L250436-02	WG256415
TOC (Total Organic Carbon)	mg/l	7.38	7.30	1.09	20	L250588-01	WG256415

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Chloride	mg/l	40	37.8	94.0	85-115	WG256411
Nitrate	mg/l	8	8.24	103.	85-115	WG256411
Sulfate	mg/l	40	37.8	95.0	90-110	WG256411
TOC (Total Organic Carbon)	mg/l	60	64.2	107.	85-115	WG256415
Methane	ppm	1000	956.	96.0	56-121	WG256616
1,1,1-Trichloroethane	mg/l	.02	0.0222	111.	62-133	WG257034
1,1,2,2-Tetrachloroethane	mg/l	.02	0.0214	107.	66-124	WG257034
1,1,2-Trichloroethane	mg/l	.02	0.0210	105.	62-124	WG257034
1,1-Dichloroethane	mg/l	.02	0.0204	102.	68-136	WG257034
1,1-Dichloroethene	mg/l	.02	0.0225	112.	59-135	WG257034
1,2-Dibromoethane	mg/l	.02	0.0222	111.	70-122	WG257034
1,2-Dichlorobenzene	mg/l	.02	0.0197	99.0	54-135	WG257034
1,2-Dichloroethane	mg/l	.02	0.0195	98.0	61-131	WG257034
1,2-Dichloropropane	mg/l	.02	0.0189	95.0	64-126	WG257034
1,3-Dichlorobenzene	mg/l	.02	0.0249	124.	45-143	WG257034
1,4-Dichlorobenzene	mg/l	.02	0.0193	96.0	48-138	WG257034
2-Chloroethyl vinyl ether	mg/l	.1	0.0525	53.0	36-136	WG257034
Bromodichloromethane	mg/l	.02	0.0206	103.	64-127	WG257034
Bromoform	mg/l	.02	0.0219	109.	60-139	WG257034
Bromomethane	mg/l	.02	0.0312	156.	30-125	WG257034
Carbon Tetrachloride	mg/l	.02	0.0231	115.	70-140	WG257034
Chlorobenzene	mg/l	.02	0.0219	109.	70-126	WG257034
Chlorodibromomethane	mg/l	.02	0.0211	106.	62-132	WG257034
Chloroethane	mg/l	.02	0.0166	83.0	43-146	WG257034
Chloroform	mg/l	.02	0.0217	109.	65-121	WG257034
Chloromethane	mg/l	.02	0.0196	98.0	45-131	WG257034
cis-1,2-Dichloroethene	mg/l	.02	0.0203	102.	68-123	WG257034
cis-1,3-Dichloropropene	mg/l	.02	0.0209	105.	66-121	WG257034
Dichlorodifluoromethane	mg/l	.02	0.0178	89.0	24-155	WG257034

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Level II

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July 03, 2006

Methylene chloride	mg/l	.02	0.0218	109.	53-131	WG257034

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Tetrachloroethene	mg/l	.02	0.0235	118.	64-134	WG257034
trans-1,2-Dichloroethene	mg/l	.02	0.0216	108.	59-138	WG257034
trans-1,3-Dichloropropene	mg/l	.02	0.0214	107.	55-113	WG257034
Trichloroethene	mg/l	.02	0.0218	109.	74-120	WG257034
Trichlorofluoromethane	mg/l	.02	0.0191	96.0	49-121	WG257034
Vinyl chloride	mg/l	.02	0.0190	95.0	46-133	WG257034
1,1,1-Trichloroethane	mg/l	.02	0.0258	129.	62-133	WG257127
1,1,2,2-Tetrachloroethane	mg/l	.02	0.0216	108.	66-124	WG257127
1,1,2-Trichloroethane	mg/l	.02	0.0210	105.	62-124	WG257127
1,1-Dichloroethane	mg/l	.02	0.0244	122.	68-136	WG257127
1,1-Dichloroethene	mg/l	.02	0.0257	128.	59-135	WG257127
1,2-Dibromoethane	mg/l	.02	0.0224	112.	70-122	WG257127
1,2-Dichlorobenzene	mg/l	.02	0.0206	103.	54-135	WG257127
1,2-Dichloroethane	mg/l	.02	0.0226	113.	61-131	WG257127
1,2-Dichloropropane	mg/l	.02	0.0212	106.	64-126	WG257127
1,3-Dichlorobenzene	mg/l	.02	0.0233	116.	45-143	WG257127
1,4-Dichlorobenzene	mg/l	.02	0.0204	102.	48-138	WG257127
2-Chloroethyl vinyl ether	mg/l	.1	0.0712	71.0	36-136	WG257127
Bromodichloromethane	mg/l	.02	0.0231	116.	64-127	WG257127
Bromoform	mg/l	.02	0.0242	121.	60-139	WG257127
Bromomethane	mg/l	.02	0.0341	170.	30-125	WG257127
Carbon Tetrachloride	mg/l	.02	0.0274	137.	70-140	WG257127
Chlorobenzene	mg/l	.02	0.0219	110.	70-126	WG257127
Chlorodibromomethane	mg/l	.02	0.0217	109.	62-132	WG257127
Chloroethane	mg/l	.02	0.0204	102.	43-146	WG257127
Chloroform	mg/l	.02	0.0231	116.	65-121	WG257127
Chloromethane	mg/l	.02	0.0235	118.	45-131	WG257127
cis-1,2-Dichloroethene	mg/l	.02	0.0238	119.	68-123	WG257127
cis-1,3-Dichloropropene	mg/l	.02	0.0228	114.	66-121	WG257127
Dichlorodifluoromethane	mg/l	.02	0.0204	102.	24-155	WG257127
Methylene chloride	mg/l	.02	0.0246	123.	53-131	WG257127
Tetrachloroethene	mg/l	.02	0.0220	110.	64-134	WG257127
trans-1,2-Dichloroethene	mg/l	.02	0.0248	124.	59-138	WG257127
trans-1,3-Dichloropropene	mg/l	.02	0.0235	118.	55-113	WG257127
Trichloroethene	mg/l	.02	0.0231	115.	74-120	WG257127
Trichlorofluoromethane	mg/l	.02	0.0234	117.	49-121	WG257127
Vinyl chloride	mg/l	.02	0.0229	115.	46-133	WG257127

Analyte	Units	Laboratory Control Sample Duplicate LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Chloride	mg/l	37.7	37.8	0.0319	20	94	WG256411
Nitrate	mg/l	8.18	8.24	0.745	20	102	WG256411
Sulfate	mg/l	37.9	37.8	0.142	20	95	WG256411
TOC (Total Organic Carbon)	mg/l	64.6	64.2	0.621	20	108	WG256415
Methane	ppm	951.	956.	0.541	15	95	WG256616
1,1,1-Trichloroethane	mg/l	0.0238	0.0222	7.20	17	119	WG257034
1,1,2,2-Tetrachloroethane	mg/l	0.0238	0.0214	10.6	16	119	WG257034
1,1,2-Trichloroethane	mg/l	0.0223	0.0210	6.03	16	112	WG257034
1,1-Dichloroethane	mg/l	0.0215	0.0204	5.32	22	108	WG257034
1,1-Dichloroethene	mg/l	0.0240	0.0225	6.58	17	120	WG257034
1,2-Dibromoethane	mg/l	0.0238	0.0222	7.16	16	119	WG257034
1,2-Dichlorobenzene	mg/l	0.0215	0.0197	8.88	16	108	WG257034
1,2-Dichloroethane	mg/l	0.0218	0.0195	11.0	15	109	WG257034
1,2-Dichloropropane	mg/l	0.0209	0.0189	10.1	18	105	WG257034

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Quality Assurance Report
Level II

L250501

July 03, 2006

1,3-Dichlorobenzene	mg/l	0.0252	0.0249	1.13	17	126	WG257034

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,4-Dichlorobenzene	mg/l	0.0204	0.0193	5.76	17	102	WG257034
2-Chloroethyl vinyl ether	mg/l	0.0685	0.0525	26.4	28	69	WG257034
Bromodichloromethane	mg/l	0.0224	0.0206	8.11	17	112	WG257034
Bromoform	mg/l	0.0251	0.0219	13.6	15	125	WG257034
Bromomethane	mg/l	0.0262	0.0312	17.3	21	131	WG257034
Carbon Tetrachloride	mg/l	0.0240	0.0231	4.06	17	120	WG257034
Chlorobenzene	mg/l	0.0226	0.0219	3.31	16	113	WG257034
Chlorodibromomethane	mg/l	0.0233	0.0211	9.91	15	117	WG257034
Chloroethane	mg/l	0.0173	0.0166	3.63	24	86	WG257034
Chloroform	mg/l	0.0239	0.0217	9.54	15	119	WG257034
Chloromethane	mg/l	0.0210	0.0196	6.65	22	105	WG257034
cis-1,2-Dichloroethene	mg/l	0.0221	0.0203	8.27	15	110	WG257034
cis-1,3-Dichloropropene	mg/l	0.0226	0.0209	7.50	18	113	WG257034
Dichlorodifluoromethane	mg/l	0.0188	0.0178	5.20	22	94	WG257034
Methylene chloride	mg/l	0.0250	0.0218	13.4	17	125	WG257034
Tetrachloroethene	mg/l	0.0242	0.0235	2.99	18	121	WG257034
trans-1,2-Dichloroethene	mg/l	0.0229	0.0216	5.86	22	114	WG257034
trans-1,3-Dichloropropene	mg/l	0.0240	0.0214	11.3	18	120	WG257034
Trichloroethene	mg/l	0.0229	0.0218	4.85	16	114	WG257034
Trichlorofluoromethane	mg/l	0.0204	0.0191	6.34	19	102	WG257034
Vinyl chloride	mg/l	0.0210	0.0190	9.63	17	105	WG257034
1,1,1-Trichloroethane	mg/l	0.0266	0.0258	3.23	17	133	WG257127
1,1,2,2-Tetrachloroethane	mg/l	0.0236	0.0216	8.74	16	118	WG257127
1,1,2-Trichloroethane	mg/l	0.0216	0.0210	2.74	16	108	WG257127
1,1-Dichloroethane	mg/l	0.0246	0.0244	0.683	22	123	WG257127
1,1-Dichloroethene	mg/l	0.0251	0.0257	2.20	17	126	WG257127
1,2-Dibromoethane	mg/l	0.0230	0.0224	2.77	16	115	WG257127
1,2-Dichlorobenzene	mg/l	0.0202	0.0206	1.75	16	101	WG257127
1,2-Dichloroethane	mg/l	0.0233	0.0226	3.17	15	116	WG257127
1,2-Dichloropropane	mg/l	0.0221	0.0212	4.15	18	110	WG257127
1,3-Dichlorobenzene	mg/l	0.0228	0.0233	2.30	17	114	WG257127
1,4-Dichlorobenzene	mg/l	0.0200	0.0204	1.98	17	100	WG257127
2-Chloroethyl vinyl ether	mg/l	0.0652	0.0712	8.73	28	65	WG257127
Bromodichloromethane	mg/l	0.0235	0.0231	1.56	17	117	WG257127
Bromoform	mg/l	0.0245	0.0242	1.53	15	123	WG257127
Bromomethane	mg/l	0.0258	0.0341	27.7	21	129	WG257127
Carbon Tetrachloride	mg/l	0.0271	0.0274	1.01	17	135	WG257127
Chlorobenzene	mg/l	0.0213	0.0219	2.93	16	106	WG257127
Chlorodibromomethane	mg/l	0.0213	0.0217	1.97	15	106	WG257127
Chloroethane	mg/l	0.0207	0.0204	1.88	24	104	WG257127
Chloroform	mg/l	0.0232	0.0231	0.148	15	116	WG257127
Chloromethane	mg/l	0.0239	0.0235	1.34	22	119	WG257127
cis-1,2-Dichloroethene	mg/l	0.0239	0.0238	0.276	15	119	WG257127
cis-1,3-Dichloropropene	mg/l	0.0229	0.0228	0.682	18	115	WG257127
Dichlorodifluoromethane	mg/l	0.0205	0.0204	0.218	22	102	WG257127
Methylene chloride	mg/l	0.0247	0.0246	0.603	17	124	WG257127
Tetrachloroethene	mg/l	0.0219	0.0220	0.621	18	109	WG257127
trans-1,2-Dichloroethene	mg/l	0.0248	0.0248	0.161	22	124	WG257127
trans-1,3-Dichloropropene	mg/l	0.0240	0.0235	1.99	18	120	WG257127
Trichloroethene	mg/l	0.0234	0.0231	1.43	16	117	WG257127
Trichlorofluoromethane	mg/l	0.0239	0.0234	2.07	19	119	WG257127
Vinyl chloride	mg/l	0.0231	0.0229	0.711	17	115	WG257127

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chloride	mg/l	53.7	4.50	50	98.0	80-120	L250501-01	WG256411
Nitrate	mg/l	6.25	1.30	5	99.0	80-120	L250501-01	WG256411

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L250501

July 03, 2006

Sulfate	mg/l	49.6	0.00	50	99.0	80-120	L250501-01	WG256411

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TOC (Total Organic Carbon)	mg/l	49.3	2.80	50	93.0	80-120	L250290-18	WG256415
1,1,1-Trichloroethane	mg/l	0.0237	0.00	.02	119.	54-143	L250520-11	WG257034
1,1,2,2-Tetrachloroethane	mg/l	0.0192	0.00	.02	96.0	58-134	L250520-11	WG257034
1,1,2-Trichloroethane	mg/l	0.0187	0.00	.02	94.0	58-125	L250520-11	WG257034
1,1-Dichloroethane	mg/l	0.0272	0.0074	.02	99.0	53-136	L250520-11	WG257034
1,1-Dichloroethene	mg/l	0.0243	0.0021	.02	111.	58-145	L250520-11	WG257034
1,2-Dibromoethane	mg/l	0.0187	0.00	.02	93.0	64-126	L250520-11	WG257034
1,2-Dichlorobenzene	mg/l	0.0147	0.00	.02	73.0	0-0	L250520-11	WG257034
1,2-Dichloroethane	mg/l	0.0227	0.00	.02	113.	54-145	L250520-11	WG257034
1,2-Dichloropropane	mg/l	0.0201	0.00	.02	100.	55-135	L250520-11	WG257034
1,3-Dichlorobenzene	mg/l	0.0169	0.00	.02	85.0	47-128	L250520-11	WG257034
1,4-Dichlorobenzene	mg/l	0.0126	0.00	.02	63.0	47-123	L250520-11	WG257034
2-Chloroethyl vinyl ether	mg/l	0.0054	0.00	.1	5.0	28-148	L250520-11	WG257034
Bromodichloromethane	mg/l	0.0201	0.00	.02	101.	54-139	L250520-11	WG257034
Bromoform	mg/l	0.0186	0.00	.02	93.0	52-144	L250520-11	WG257034
Bromomethane	mg/l	0.0202	0.00	.02	101.	23-131	L250520-11	WG257034
Carbon Tetrachloride	mg/l	0.0222	0.00	.02	111.	51-147	L250520-11	WG257034
Chlorobenzene	mg/l	0.0170	0.00	.05	34.0	59-125	L250520-11	WG257034
Chlorodibromomethane	mg/l	0.0178	0.00	.02	89.0	57-133	L250520-11	WG257034
Chloroethane	mg/l	0.0163	0.00	.02	82.0	38-153	L250520-11	WG257034
Chloroform	mg/l	0.0279	0.00	.02	139.	55-133	L250520-11	WG257034
Chloromethane	mg/l	0.0164	0.00	.02	82.0	39-135	L250520-11	WG257034
cis-1,2-Dichloroethene	mg/l	0.0225	0.00	.02	112.	64-126	L250520-11	WG257034
cis-1,3-Dichloropropene	mg/l	0.0189	0.00	.02	94.0	54-122	L250520-11	WG257034
Dichlorodifluoromethane	mg/l	0.0130	0.00	.02	65.0	26-153	L250520-11	WG257034
Methylene chloride	mg/l	0.0259	0.00	.02	129.	44-143	L250520-11	WG257034
Tetrachloroethene	mg/l	0.0154	0.00	.02	77.0	53-128	L250520-11	WG257034
trans-1,2-Dichloroethene	mg/l	0.0193	0.00	.02	97.0	52-139	L250520-11	WG257034
trans-1,3-Dichloropropene	mg/l	0.0191	0.00	.02	96.0	48-113	L250520-11	WG257034
Trichloroethene	mg/l	0.0183	0.00	.02	91.0	57-135	L250520-11	WG257034
Trichlorofluoromethane	mg/l	0.0184	0.00	.02	92.0	42-134	L250520-11	WG257034
Vinyl chloride	mg/l	0.0172	0.00	.02	86.0	44-132	L250520-11	WG257034
1,1,1-Trichloroethane	mg/l	0.0274	0.00	.02	137.	54-143	L250740-01	WG257127
1,1,2,2-Tetrachloroethane	mg/l	0.0213	0.00	.02	107.	58-134	L250740-01	WG257127
1,1,2-Trichloroethane	mg/l	0.0207	0.00	.02	104.	58-125	L250740-01	WG257127
1,1-Dichloroethane	mg/l	0.0280	0.00	.02	140.	53-136	L250740-01	WG257127
1,1-Dichloroethene	mg/l	0.0257	0.00	.02	128.	58-145	L250740-01	WG257127
1,2-Dibromoethane	mg/l	0.0212	0.00	.02	106.	64-126	L250740-01	WG257127
1,2-Dichlorobenzene	mg/l	0.0167	0.00	.02	84.0	0-0	L250740-01	WG257127
1,2-Dichloroethane	mg/l	0.0276	0.00	.02	138.	54-145	L250740-01	WG257127
1,2-Dichloropropane	mg/l	0.0237	0.00	.02	118.	55-135	L250740-01	WG257127
1,3-Dichlorobenzene	mg/l	0.0175	0.00	.02	88.0	47-128	L250740-01	WG257127
1,4-Dichlorobenzene	mg/l	0.0157	0.00	.02	79.0	47-123	L250740-01	WG257127
2-Chloroethyl vinyl ether	mg/l	0.0736	0.00	.1	74.0	28-148	L250740-01	WG257127
Bromodichloromethane	mg/l	0.0246	0.00	.02	123.	54-139	L250740-01	WG257127
Bromoform	mg/l	0.0215	0.00	.02	107.	52-144	L250740-01	WG257127
Bromomethane	mg/l	0.0127	0.00	.02	63.0	23-131	L250740-01	WG257127
Carbon Tetrachloride	mg/l	0.0273	0.00	.02	137.	51-147	L250740-01	WG257127
Chlorobenzene	mg/l	0.0186	0.00	.05	37.0	59-125	L250740-01	WG257127
Chlorodibromomethane	mg/l	0.0201	0.00	.02	100.	57-133	L250740-01	WG257127
Chloroethane	mg/l	0.0212	0.00	.02	106.	38-153	L250740-01	WG257127
Chloroform	mg/l	0.0260	0.00	.02	130.	55-133	L250740-01	WG257127
Chloromethane	mg/l	0.0206	0.00	.02	103.	39-135	L250740-01	WG257127
cis-1,2-Dichloroethene	mg/l	0.0260	0.00	.02	130.	64-126	L250740-01	WG257127
cis-1,3-Dichloropropene	mg/l	0.0224	0.00	.02	112.	54-122	L250740-01	WG257127
Dichlorodifluoromethane	mg/l	0.0121	0.00	.02	60.0	26-153	L250740-01	WG257127
Methylene chloride	mg/l	0.0279	0.00	.02	140.	44-143	L250740-01	WG257127

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Charlotte, NC 28203

Quality Assurance Report
Level II

L250501

July 03, 2006

Tetrachloroethene	mg/l	0.0233	0.0018	.02	107.	53-128	L250740-01	WG257127

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
trans-1,2-Dichloroethene	mg/l	0.0243	0.00	.02	121.	52-139	L250740-01	WG257127
trans-1,3-Dichloropropene	mg/l	0.0226	0.00	.02	113.	48-113	L250740-01	WG257127
Trichloroethene	mg/l	0.0221	0.00	.02	111.	57-135	L250740-01	WG257127
Trichlorofluoromethane	mg/l	0.0226	0.00	.02	113.	42-134	L250740-01	WG257127
Vinyl chloride	mg/l	0.0214	0.00	.02	107.	44-132	L250740-01	WG257127

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Chloride	mg/l	55.3	53.7	2.76	20	102.	L250501-01	WG256411
Nitrate	mg/l	6.38	6.25	2.07	20	102.	L250501-01	WG256411
Sulfate	mg/l	50.5	49.6	1.78	20	101.	L250501-01	WG256411
TOC (Total Organic Carbon)	mg/l	49.1	49.3	0.407	20	93.0	L250290-18	WG256415
1,1,1-Trichloroethane	mg/l	0.0263	0.0237	10.2	22	131.	L250520-11	WG257034
1,1,2,2-Tetrachloroethane	mg/l	0.0201	0.0192	4.38	27	100.	L250520-11	WG257034
1,1,2-Trichloroethane	mg/l	0.0195	0.0187	4.10	19	97.0	L250520-11	WG257034
1,1-Dichloroethane	mg/l	0.0291	0.0272	6.79	22	109.	L250520-11	WG257034
1,1-Dichloroethene	mg/l	0.0265	0.0243	8.87	22	122.	L250520-11	WG257034
1,2-Dibromoethane	mg/l	0.0193	0.0187	3.52	19	97.0	L250520-11	WG257034
1,2-Dichlorobenzene	mg/l	0.0162	0.0147	9.74	19	81.0	L250520-11	WG257034
1,2-Dichloroethane	mg/l	0.0242	0.0227	6.32	21	121.	L250520-11	WG257034
1,2-Dichloropropane	mg/l	0.0212	0.0201	5.34	20	106.	L250520-11	WG257034
1,3-Dichlorobenzene	mg/l	0.0178	0.0169	4.77	25	89.0	L250520-11	WG257034
1,4-Dichlorobenzene	mg/l	0.0136	0.0126	7.42	18	68.0	L250520-11	WG257034
2-Chloroethyl vinyl ether	mg/l	0.0056	0.0054	3.16	18	6.00	L250520-11	WG257034
Bromodichloromethane	mg/l	0.0218	0.0201	7.99	19	109.	L250520-11	WG257034
Bromoform	mg/l	0.0189	0.0186	1.51	21	94.0	L250520-11	WG257034
Bromomethane	mg/l	0.0219	0.0202	8.04	24	110.	L250520-11	WG257034
Carbon Tetrachloride	mg/l	0.0249	0.0222	11.7	23	125.	L250520-11	WG257034
Chlorobenzene	mg/l	0.0180	0.0170	6.24	22	36.0	L250520-11	WG257034
Chlorodibromomethane	mg/l	0.0193	0.0178	8.30	19	96.0	L250520-11	WG257034
Chloroethane	mg/l	0.0170	0.0163	4.13	25	85.0	L250520-11	WG257034
Chloroform	mg/l	0.0300	0.0279	7.35	20	150.	L250520-11	WG257034
Chloromethane	mg/l	0.0174	0.0164	6.32	23	87.0	L250520-11	WG257034
cis-1,2-Dichloroethene	mg/l	0.0246	0.0225	9.00	18	123.	L250520-11	WG257034
cis-1,3-Dichloropropene	mg/l	0.0208	0.0189	9.98	22	104.	L250520-11	WG257034
Dichlorodifluoromethane	mg/l	0.0141	0.0130	7.83	25	70.0	L250520-11	WG257034
Methylene chloride	mg/l	0.0272	0.0259	4.99	22	136.	L250520-11	WG257034
Tetrachloroethene	mg/l	0.0171	0.0154	10.5	24	85.0	L250520-11	WG257034
trans-1,2-Dichloroethene	mg/l	0.0220	0.0193	13.0	24	110.	L250520-11	WG257034
trans-1,3-Dichloropropene	mg/l	0.0211	0.0191	9.80	22	105.	L250520-11	WG257034
Trichloroethene	mg/l	0.0201	0.0183	9.50	23	100.	L250520-11	WG257034
Trichlorofluoromethane	mg/l	0.0197	0.0184	6.90	21	99.0	L250520-11	WG257034
Vinyl chloride	mg/l	0.0183	0.0172	6.31	24	92.0	L250520-11	WG257034
1,1,1-Trichloroethane	mg/l	0.0281	0.0274	2.75	22	141.	L250740-01	WG257127
1,1,2,2-Tetrachloroethane	mg/l	0.0222	0.0213	4.25	27	111.	L250740-01	WG257127
1,1,2-Trichloroethane	mg/l	0.0203	0.0207	2.11	19	101.	L250740-01	WG257127
1,1-Dichloroethane	mg/l	0.0287	0.0280	2.72	22	144.	L250740-01	WG257127
1,1-Dichloroethene	mg/l	0.0250	0.0257	2.46	22	125.	L250740-01	WG257127
1,2-Dibromoethane	mg/l	0.0218	0.0212	2.73	19	109.	L250740-01	WG257127
1,2-Dichlorobenzene	mg/l	0.0168	0.0167	0.322	19	84.0	L250740-01	WG257127
1,2-Dichloroethane	mg/l	0.0275	0.0276	0.352	21	137.	L250740-01	WG257127
1,2-Dichloropropane	mg/l	0.0245	0.0237	3.43	20	123.	L250740-01	WG257127
1,3-Dichlorobenzene	mg/l	0.0186	0.0175	5.84	25	93.0	L250740-01	WG257127
1,4-Dichlorobenzene	mg/l	0.0155	0.0157	1.39	18	77.0	L250740-01	WG257127
2-Chloroethyl vinyl ether	mg/l	0.101	0.0736	31.8	18	101.	L250740-01	WG257127

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Hart & Hickman, PC
Mr. Shannon Cottrill
2923 South Tryon Street; Ste 100

Charlotte, NC 28203

Quality Assurance Report
Level II

L250501

July 03, 2006

Bromodichloromethane	mg/l	0.0255	0.0246	3.27	19	127.	L250740-01	WG257127

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Bromoform	mg/l	0.0230	0.0215	7.04	21	115.	L250740-01	WG257127
Bromomethane	mg/l	0.0170	0.0127	29.3	24	85.0	L250740-01	WG2571[illegible]
Carbon Tetrachloride	mg/l	0.0282	0.0273	3.06	23	141.	L250740-01	WG2571[illegible]
Chlorobenzene	mg/l	0.0193	0.0186	3.88	22	39.0	L250740-01	WG2571[illegible]
Chlorodibromomethane	mg/l	0.0205	0.0201	2.13	19	103.	L250740-01	WG257127
Chloroethane	mg/l	0.0206	0.0212	2.95	25	103.	L250740-01	WG257127
Chloroform	mg/l	0.0261	0.0260	0.106	20	130.	L250740-01	WG2571[illegible]
Chloromethane	mg/l	0.0203	0.0206	1.72	23	101.	L250740-01	WG2571[illegible]
cis-1,2-Dichloroethene	mg/l	0.0269	0.0260	3.20	18	134.	L250740-01	WG2571[illegible]
cis-1,3-Dichloropropene	mg/l	0.0231	0.0224	2.86	22	115.	L250740-01	WG257127
Dichlorodifluoromethane	mg/l	0.0124	0.0121	2.49	25	62.0	L250740-01	WG2571[illegible]
Methylene chloride	mg/l	0.0272	0.0279	2.64	22	136.	L250740-01	WG2571[illegible]
Tetrachloroethene	mg/l	0.0202	0.0233	14.0	24	92.0	L250740-01	WG2571[illegible]
trans-1,2-Dichloroethene	mg/l	0.0283	0.0243	15.4	24	142.	L250740-01	WG257127
trans-1,3-Dichloropropene	mg/l	0.0230	0.0226	2.11	22	115.	L250740-01	WG257127
Trichloroethene	mg/l	0.0228	0.0221	3.18	23	114.	L250740-01	WG2571[illegible]
Trichlorofluoromethane	mg/l	0.0221	0.0226	1.97	21	111.	L250740-01	WG2571[illegible]
Vinyl chloride	mg/l	0.0212	0.0214	1.12	24	106.	L250740-01	WG2571[illegible]

Batch number /Run number / Sample number cross reference

WG256415: R280288: L250501-01 02 03
WG256411: R280314: L250501-01 02 03
WG256616: R280368: L250501-01 02 03
WG257034: R280791: L250501-01 02
WG257127: R280842: L250501-01 03 04

* * Calculations are performed prior to rounding of reported values .

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Quality Assurance Report
Level II

L250501

July 03, 2006

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Hart & Hickman
501 Minuet Lane #101
Charlotte, NC 28217

Alternate billing information:

Report to: Shannon Cottrill

Email to: scottrill@harthickman.com

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
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Mt. Juliet, TN 37122

Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

Project Description: Goodrich-Delavan

City/Sate Collected: SC

Phone: 704-586-0007
FAX: 704-586-0373

Client Project #: GDR-006

ESC Key:

Collected by: JAMES MCCUTCHEON

Site/Facility ID#: BAMBERG, SC

P.O.#:

Collected by (signature): James McCutcheon

Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day.....200%
___ Next Day.....100%
___ Two Day.....50%

Date Results Needed: STD

(X) Email? __No X Yes
FAX? X No __Yes

CoCode TURNHART (lab use only)
Template/Prelogin P180410
6-26-06
Shipped Via: Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V601	Nitrate	Sulfate	TOC	Chloride	Methane			Remarks/Contaminant	Sample # (lab only)
MW-1	G	GW	NA	6-26-06	1350	6	X	X	X	X	X	X				L250501-01
MW-9	G	GW	NA	6-26-06	1320	6	X	X	X	X	X	X				-02
MW-10	G	GW	NA	6-26-06	1230	6	X	X	X	X	X	X				-03
TRIP BLANK						1	X									-04

*Matrix: SS - Soil/Solic GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Remarks: (X) EMAIL TO: SCOTTRILL@HARTHICKMAN.COM 8536 6615 3013

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____		Condition: (lab use only)
James McCutcheon	6-26-06	1730				custody seal intact, AV
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.3°C	Bottles Received: 18+TB	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6-27-06	Time: 09:00	pH Checked: C2 / NCF:

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REPORT OF ANALYSIS

July 03,2006

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

ESC Sample # : L250501-01

Date Received : June 27, 2006
Description : Goodrich - Delavan

Site ID : BAMBERG SC

Sample ID : MW-1

Project # : GDR-006

Collected By : James McCutcheon
Collection Date : 06/26/06 13:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	BDL	10.	ppb	8015M	06/28/06	1
Chloride	4500	1000	ug/l	9056	06/27/06	1
Nitrate	1300	100	ug/l	9056	06/27/06	1
Sulfate	BDL	5000	ug/l	9056	06/27/06	1
TOC (Total Organic Carbon)	1100	1000	ug/l	9060	06/27/06	1
Volatile Organics						
Bromodichloromethane	BDL	1.0	ug/l	601MS	07/03/06	1
Bromoform	BDL	1.0	ug/l	601MS	07/03/06	1
Bromomethane	BDL	1.0	ug/l	601MS	07/03/06	1
Carbon Tetrachloride	BDL	1.0	ug/l	601MS	07/03/06	1
Chlorobenzene	BDL	1.0	ug/l	601MS	07/03/06	1
Chlorodibromomethane	BDL	1.0	ug/l	601MS	07/03/06	1
Chloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601MS	07/03/06	1
Chloroform	BDL	1.0	ug/l	601MS	07/03/06	1
Chloromethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/03/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/03/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/03/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	601MS	07/03/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	07/03/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	601MS	07/03/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/03/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/03/06	1
Methylene chloride	BDL	5.0	ug/l	601MS	07/03/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
Tetrachloroethene	4100	10.	ug/l	601MS	07/01/06	10
1,1,1-Trichloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601MS	07/03/06	1
Trichloroethene	32.	1.0	ug/l	601MS	07/03/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	601MS	07/03/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-01

Site ID : BAMBERG SC

Project # : GDR-006

Date Received : June 27, 2006
Description : Goodrich - Delavan

Sample ID : MW-1

Collected By : James McCutcheon
Collection Date : 06/26/06 13:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Vinyl chloride	BDL	1.0	ug/l	601MS	07/03/06	1
cis-1,2-Dichloroethene	13.	1.0	ug/l	601MS	07/03/06	1

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Note:
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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-02

Date Received : June 27, 2006
Description : Goodrich - Delavan

Site ID : BAMBERG SC

Sample ID : MW-9

Project # : GDR-006

Collected By : James McCutcheon
Collection Date : 06/26/06 13:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	BDL	10.	ppb	8015M	06/28/06	1
Chloride	1900	1000	ug/l	9056	06/27/06	1
Nitrate	150	100	ug/l	9056	06/27/06	1
Sulfate	9000	5000	ug/l	9056	06/27/06	1
TOC (Total Organic Carbon)	3900	1000	ug/l	9060	06/27/06	1
Volatile Organics						
Bromodichloromethane	BDL	1.0	ug/l	601MS	07/01/06	1
Bromoform	BDL	1.0	ug/l	601MS	07/01/06	1
Bromomethane	BDL	1.0	ug/l	601MS	07/01/06	1
Carbon Tetrachloride	BDL	1.0	ug/l	601MS	07/01/06	1
Chlorobenzene	BDL	1.0	ug/l	601MS	07/01/06	1
Chlorodibromomethane	BDL	1.0	ug/l	601MS	07/01/06	1
Chloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601MS	07/01/06	1
Chloroform	BDL	1.0	ug/l	601MS	07/01/06	1
Chloromethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/01/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/01/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/01/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,1-Dichloroethene	12.	1.0	ug/l	601MS	07/01/06	1
trans-1,2-Dichloroethene	1.7	1.0	ug/l	601MS	07/01/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	601MS	07/01/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/01/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/01/06	1
Methylene chloride	BDL	5.0	ug/l	601MS	07/01/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
Tetrachloroethene	1500	1.0	ug/l	601MS	07/01/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601MS	07/01/06	1
Trichloroethene	330	1.0	ug/l	601MS	07/01/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	601MS	07/01/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Est. 1970

REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-02

Date Received : June 27, 2006
Description : Goodrich - Delavan

Site ID : BAMBERG SC

Sample ID : MW-9

Project # : GDR-006

Collected By : James McCutcheon
Collection Date : 06/26/06 13:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Vinyl chloride	BDL	1.0	ug/l	601MS	07/01/06	1
cis-1,2-Dichloroethene	520	1.0	ug/l	601MS	07/01/06	1

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-03

Date Received : June 27, 2006
Description : Goodrich - Delavan

Site ID : BAMBERG SC

Sample ID : MW-10

Project # : GDR-006

Collected By : James McCutcheon
Collection Date : 06/26/06 12:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	BDL	10.	ppb	8015M	06/28/06	1
Chloride	2600	1000	ug/l	9056	06/27/06	1
Nitrate	200	100	ug/l	9056	06/27/06	1
Sulfate	BDL	5000	ug/l	9056	06/27/06	1
TOC (Total Organic Carbon)	BDL	1000	ug/l	9060	06/27/06	1
Volatile Organics						
Bromodichloromethane	BDL	20.	ug/l	601MS	07/02/06	20
Bromoform	BDL	20.	ug/l	601MS	07/02/06	20
Bromomethane	BDL	20.	ug/l	601MS	07/02/06	20
Carbon Tetrachloride	BDL	20.	ug/l	601MS	07/02/06	20
Chlorobenzene	BDL	20.	ug/l	601MS	07/02/06	20
Chlorodibromomethane	BDL	20.	ug/l	601MS	07/02/06	20
Chloroethane	BDL	20.	ug/l	601MS	07/02/06	20
2-Chloroethyl vinyl ether	BDL	1000	ug/l	601MS	07/02/06	20
Chloroform	BDL	20.	ug/l	601MS	07/02/06	20
Chloromethane	BDL	20.	ug/l	601MS	07/02/06	20
1,2-Dibromoethane	BDL	20.	ug/l	601MS	07/02/06	20
1,2-Dichlorobenzene	BDL	20.	ug/l	601MS	07/02/06	20
1,3-Dichlorobenzene	BDL	20.	ug/l	601MS	07/02/06	20
1,4-Dichlorobenzene	BDL	20.	ug/l	601MS	07/02/06	20
Dichlorodifluoromethane	BDL	20.	ug/l	601MS	07/02/06	20
1,1-Dichloroethane	BDL	20.	ug/l	601MS	07/02/06	20
1,2-Dichloroethane	BDL	20.	ug/l	601MS	07/02/06	20
1,1-Dichloroethene	BDL	20.	ug/l	601MS	07/02/06	20
trans-1,2-Dichloroethene	BDL	20.	ug/l	601MS	07/02/06	20
1,2-Dichloropropane	BDL	20.	ug/l	601MS	07/02/06	20
cis-1,3-Dichloropropene	BDL	20.	ug/l	601MS	07/02/06	20
trans-1,3-Dichloropropene	BDL	20.	ug/l	601MS	07/02/06	20
Methylene chloride	BDL	100	ug/l	601MS	07/02/06	20
1,1,2,2-Tetrachloroethane	BDL	20.	ug/l	601MS	07/02/06	20
Tetrachloroethene	1800	20.	ug/l	601MS	07/02/06	20
1,1,1-Trichloroethane	BDL	20.	ug/l	601MS	07/02/06	20
1,1,2-Trichloroethane	BDL	20.	ug/l	601MS	07/02/06	20
Trichloroethene	31.	20.	ug/l	601MS	07/02/06	20
Trichlorofluoromethane	BDL	20.	ug/l	601MS	07/02/06	20

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-03

Site ID : BAMBERG SC

Project # : GDR-006

Date Received : June 27, 2006
Description : Goodrich - Delavan

Sample ID : MW-10

Collected By : James McCutcheon
Collection Date : 06/26/06 12:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Vinyl chloride	BDL	20.	ug/l	601MS	07/02/06	20
cis-1,2-Dichloroethene	21.	20.	ug/l	601MS	07/02/06	20

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

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REPORT OF ANALYSIS

Mr. Shannon Cottrill
Hart & Hickman, PC
2923 South Tryon Street; Ste 100
Charlotte, NC 28203

July 03,2006

ESC Sample # : L250501-04

Date Received : June 27, 2006
Description : Goodrich - Delavan

Site ID : BAMBERG SC

Sample ID : TRIP BLANK

Project # : GDR-006

Collected By : James McCutcheon
Collection Date : 06/26/06 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Bromodichloromethane	BDL	1.0	ug/l	601MS	07/02/06	1
Bromoform	BDL	1.0	ug/l	601MS	07/02/06	1
Bromomethane	BDL	1.0	ug/l	601MS	07/02/06	1
Carbon Tetrachloride	BDL	1.0	ug/l	601MS	07/02/06	1
Chlorobenzene	BDL	1.0	ug/l	601MS	07/02/06	1
Chlorodibromomethane	BDL	1.0	ug/l	601MS	07/02/06	1
Chloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601MS	07/02/06	1
Chloroform	BDL	1.0	ug/l	601MS	07/02/06	1
Chloromethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/02/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/02/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601MS	07/02/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	601MS	07/02/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	07/02/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	601MS	07/02/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/02/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	07/02/06	1
Methylene chloride	BDL	5.0	ug/l	601MS	07/02/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
Tetrachloroethene	BDL	1.0	ug/l	601MS	07/02/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601MS	07/02/06	1
Trichloroethene	BDL	1.0	ug/l	601MS	07/02/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	601MS	07/02/06	1
Vinyl chloride	BDL	1.0	ug/l	601MS	07/02/06	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	07/02/06	1

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L250501-01	Bromomethane	J4J3
	trans-1,3-Dichloropropene	J4
	Tetrachloroethene	E
	1,1,1-Trichloroethane	J4
L250501-02	Bromomethane	J4
	trans-1,3-Dichloropropene	J4
	1,1,2,2-Tetrachloroethane	E
	Trichloroethene	E
	cis-1,2-Dichloroethene	E
L250501-03	Bromomethane	J4J3
	trans-1,3-Dichloropropene	J4
	1,1,1-Trichloroethane	J4
L250501-04	Bromomethane	J4J3
	trans-1,3-Dichloropropene	J4
	1,1,1-Trichloroethane	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.
J4	The associated batch QC was outside the established quality control range for accuracy.
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	68-128	64-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	76-115	69-118
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	79-127	61-134

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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Hart & Hickman, PC
Mr. Shannon Cottrill
2923 South Tryon Street; Ste 100

Charlotte, NC 28203

Quality Assurance Report
Level II

L250501

July 03, 2006

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Chloride	< 1	mg/l	06/27/06 12:32	WG256411
Nitrate	< .1	mg/l	06/27/06 12:32	WG256411
Sulfate	< 5	mg/l	06/27/06 12:32	WG256411
TOC (Total Organic Carbon)	< 1	mg/l	06/27/06 10:27	WG256415
Methane	< .01	ppm	06/28/06 08:56	WG256616
1,1,1-Trichloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,1,2,2-Tetrachloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,1,2-Trichloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,1-Dichloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,1-Dichloroethene	< .001	mg/l	06/30/06 16:51	WG257034
1,2-Dibromoethane	< .001	mg/l	06/30/06 16:51	WG257034
1,2-Dichlorobenzene	< .001	mg/l	06/30/06 16:51	WG257034
1,2-Dichloroethane	< .001	mg/l	06/30/06 16:51	WG257034
1,2-Dichloropropane	< .001	mg/l	06/30/06 16:51	WG257034
1,3-Dichlorobenzene	< .001	mg/l	06/30/06 16:51	WG257034
1,4-Dichlorobenzene	< .001	mg/l	06/30/06 16:51	WG257034
2-Chloroethyl vinyl ether	< .001	mg/l	06/30/06 16:51	WG257034
Bromodichloromethane	< .001	mg/l	06/30/06 16:51	WG257034
Bromoform	< .001	mg/l	06/30/06 16:51	WG257034
Bromomethane	< .001	mg/l	06/30/06 16:51	WG257034
Carbon Tetrachloride	< .001	mg/l	06/30/06 16:51	WG257034
Chlorobenzene	< .001	mg/l	06/30/06 16:51	WG257034
Chlorodibromomethane	< .001	mg/l	06/30/06 16:51	WG257034
Chloroethane	< .001	mg/l	06/30/06 16:51	WG257034
Chloroform	< .005	mg/l	06/30/06 16:51	WG257034
Chloromethane	< .001	mg/l	06/30/06 16:51	WG257034
cis-1,2-Dichloroethene	< .001	mg/l	06/30/06 16:51	WG257034
cis-1,3-Dichloropropene	< .001	mg/l	06/30/06 16:51	WG257034
Dichlorodifluoromethane	< .001	mg/l	06/30/06 16:51	WG257034
Methylene chloride	< .005	mg/l	06/30/06 16:51	WG257034
Tetrachloroethene	< .001	mg/l	06/30/06 16:51	WG257034
trans-1,2-Dichloroethene	< .001	mg/l	06/30/06 16:51	WG257034
trans-1,3-Dichloropropene	< .001	mg/l	06/30/06 16:51	WG257034
Trichloroethene	< .001	mg/l	06/30/06 16:51	WG257034
Trichlorofluoromethane	< .001	mg/l	06/30/06 16:51	WG257034
Vinyl chloride	< .001	mg/l	06/30/06 16:51	WG257034
1,1,1-Trichloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,1,2,2-Tetrachloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,1,2-Trichloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,1-Dichloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,1-Dichloroethene	< .001	mg/l	07/02/06 17:31	WG257127
1,2-Dibromoethane	< .001	mg/l	07/02/06 17:31	WG257127
1,2-Dichlorobenzene	< .001	mg/l	07/02/06 17:31	WG257127
1,2-Dichloroethane	< .001	mg/l	07/02/06 17:31	WG257127
1,2-Dichloropropane	< .001	mg/l	07/02/06 17:31	WG257127
1,3-Dichlorobenzene	< .001	mg/l	07/02/06 17:31	WG257127
1,4-Dichlorobenzene	< .001	mg/l	07/02/06 17:31	WG257127
2-Chloroethyl vinyl ether	< .001	mg/l	07/02/06 17:31	WG257127
Bromodichloromethane	< .001	mg/l	07/02/06 17:31	WG257127
Bromoform	< .001	mg/l	07/02/06 17:31	WG257127
Bromomethane	< .001	mg/l	07/02/06 17:31	WG257127
Carbon Tetrachloride	< .001	mg/l	07/02/06 17:31	WG257127
Chlorobenzene	< .001	mg/l	07/02/06 17:31	WG257127
Chlorodibromomethane	< .001	mg/l	07/02/06 17:31	WG257127
Chloroethane	< .001	mg/l	07/02/06 17:31	WG257127
Chloroform	< .005	mg/l	07/02/06 17:31	WG257127

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Charlotte, NC 28203

Quality Assurance Report
Level II

L250501

July 03, 2006

Chloromethane	< .001	mg/l	07/02/06 17:31	WG257127

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
cis-1,2-Dichloroethene	< .001	mg/l	07/02/06 17:31	WG257127
cis-1,3-Dichloropropene	< .001	mg/l	07/02/06 17:31	WG257127
Dichlorodifluoromethane	< .001	mg/l	07/02/06 17:31	WG257127
Methylene chloride	< .005	mg/l	07/02/06 17:31	WG257127
Tetrachloroethene	< .001	mg/l	07/02/06 17:31	WG257127
trans-1,2-Dichloroethene	< .001	mg/l	07/02/06 17:31	WG257127
trans-1,3-Dichloropropene	< .001	mg/l	07/02/06 17:31	WG257127
Trichloroethene	< .001	mg/l	07/02/06 17:31	WG257127
Trichlorofluoromethane	< .001	mg/l	07/02/06 17:31	WG257127
Vinyl chloride	< .001	mg/l	07/02/06 17:31	WG257127

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Chloride	mg/l	7.41	7.33	1.06	20	L250520-05	WG256411
Chloride	mg/l	167.	165.	0.992	20	L250521-07	WG256411
Nitrate	mg/l	1.18	1.20	2.09	20	L250520-05	WG256411
Nitrate	mg/l	0.00	0.00	0.00	20	L250521-07	WG256411
Sulfate	mg/l	0.00	0.00	0.00	20	L250520-05	WG256411
Sulfate	mg/l	6.82	6.80	0.251	20	L250521-07	WG256411
TOC (Total Organic Carbon)	mg/l	11.4	12.0	5.13	20	L250436-02	WG256415
TOC (Total Organic Carbon)	mg/l	7.38	7.30	1.09	20	L250588-01	WG256415

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Chloride	mg/l	40	37.8	94.0	85-115	WG256411
Nitrate	mg/l	8	8.24	103.	85-115	WG256411
Sulfate	mg/l	40	37.8	95.0	90-110	WG256411
TOC (Total Organic Carbon)	mg/l	60	64.2	107.	85-115	WG256415
Methane	ppm	1000	956.	96.0	56-121	WG256616
1,1,1-Trichloroethane	mg/l	.02	0.0222	111.	62-133	WG257034
1,1,2,2-Tetrachloroethane	mg/l	.02	0.0214	107.	66-124	WG257034
1,1,2-Trichloroethane	mg/l	.02	0.0210	105.	62-124	WG257034
1,1-Dichloroethane	mg/l	.02	0.0204	102.	68-136	WG257034
1,1-Dichloroethene	mg/l	.02	0.0225	112.	59-135	WG257034
1,2-Dibromoethane	mg/l	.02	0.0222	111.	70-122	WG257034
1,2-Dichlorobenzene	mg/l	.02	0.0197	99.0	54-135	WG257034
1,2-Dichloroethane	mg/l	.02	0.0195	98.0	61-131	WG257034
1,2-Dichloropropane	mg/l	.02	0.0189	95.0	64-126	WG257034
1,3-Dichlorobenzene	mg/l	.02	0.0249	124.	45-143	WG257034
1,4-Dichlorobenzene	mg/l	.02	0.0193	96.0	48-138	WG257034
2-Chloroethyl vinyl ether	mg/l	.1	0.0525	53.0	36-136	WG257034
Bromodichloromethane	mg/l	.02	0.0206	103.	64-127	WG257034
Bromoform	mg/l	.02	0.0219	109.	60-139	WG257034
Bromomethane	mg/l	.02	0.0312	156.	30-125	WG257034
Carbon Tetrachloride	mg/l	.02	0.0231	115.	70-140	WG257034
Chlorobenzene	mg/l	.02	0.0219	109.	70-126	WG257034
Chlorodibromomethane	mg/l	.02	0.0211	106.	62-132	WG257034
Chloroethane	mg/l	.02	0.0166	83.0	43-146	WG257034
Chloroform	mg/l	.02	0.0217	109.	65-121	WG257034
Chloromethane	mg/l	.02	0.0196	98.0	45-131	WG257034
cis-1,2-Dichloroethene	mg/l	.02	0.0203	102.	68-123	WG257034
cis-1,3-Dichloropropene	mg/l	.02	0.0209	105.	66-121	WG257034
Dichlorodifluoromethane	mg/l	.02	0.0178	89.0	24-155	WG257034

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July 03, 2006

Methylene chloride	mg/l	.02	0.0218	109.	53-131	WG257034

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Tetrachloroethene	mg/l	.02	0.0235	118.	64-134	WG257034
trans-1,2-Dichloroethene	mg/l	.02	0.0216	108.	59-138	WG257034
trans-1,3-Dichloropropene	mg/l	.02	0.0214	107.	55-113	WG257034
Trichloroethene	mg/l	.02	0.0218	109.	74-120	WG257034
Trichlorofluoromethane	mg/l	.02	0.0191	96.0	49-121	WG257034
Vinyl chloride	mg/l	.02	0.0190	95.0	46-133	WG257034
1,1,1-Trichloroethane	mg/l	.02	0.0258	129.	62-133	WG257127
1,1,2,2-Tetrachloroethane	mg/l	.02	0.0216	108.	66-124	WG257127
1,1,2-Trichloroethane	mg/l	.02	0.0210	105.	62-124	WG257127
1,1-Dichloroethane	mg/l	.02	0.0244	122.	68-136	WG257127
1,1-Dichloroethene	mg/l	.02	0.0257	128.	59-135	WG257127
1,2-Dibromoethane	mg/l	.02	0.0224	112.	70-122	WG257127
1,2-Dichlorobenzene	mg/l	.02	0.0206	103.	54-135	WG257127
1,2-Dichloroethane	mg/l	.02	0.0226	113.	61-131	WG257127
1,2-Dichloropropane	mg/l	.02	0.0212	106.	64-126	WG257127
1,3-Dichlorobenzene	mg/l	.02	0.0233	116.	45-143	WG257127
1,4-Dichlorobenzene	mg/l	.02	0.0204	102.	48-138	WG257127
2-Chloroethyl vinyl ether	mg/l	.1	0.0712	71.0	36-136	WG257127
Bromodichloromethane	mg/l	.02	0.0231	116.	64-127	WG257127
Bromoform	mg/l	.02	0.0242	121.	60-139	WG257127
Bromomethane	mg/l	.02	0.0341	170.	30-125	WG257127
Carbon Tetrachloride	mg/l	.02	0.0274	137.	70-140	WG257127
Chlorobenzene	mg/l	.02	0.0219	110.	70-126	WG257127
Chlorodibromomethane	mg/l	.02	0.0217	109.	62-132	WG257127
Chloroethane	mg/l	.02	0.0204	102.	43-146	WG257127
Chloroform	mg/l	.02	0.0231	116.	65-121	WG257127
Chloromethane	mg/l	.02	0.0235	118.	45-131	WG257127
cis-1,2-Dichloroethene	mg/l	.02	0.0238	119.	68-123	WG257127
cis-1,3-Dichloropropene	mg/l	.02	0.0228	114.	66-121	WG257127
Dichlorodifluoromethane	mg/l	.02	0.0204	102.	24-155	WG257127
Methylene chloride	mg/l	.02	0.0246	123.	53-131	WG257127
Tetrachloroethene	mg/l	.02	0.0220	110.	64-134	WG257127
trans-1,2-Dichloroethene	mg/l	.02	0.0248	124.	59-138	WG257127
trans-1,3-Dichloropropene	mg/l	.02	0.0235	118.	55-113	WG257127
Trichloroethene	mg/l	.02	0.0231	115.	74-120	WG257127
Trichlorofluoromethane	mg/l	.02	0.0234	117.	49-121	WG257127
Vinyl chloride	mg/l	.02	0.0229	115.	46-133	WG257127

Analyte	Units	Laboratory Control Sample Duplicate LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Chloride	mg/l	37.7	37.8	0.0319	20	94	WG256411
Nitrate	mg/l	8.18	8.24	0.745	20	102	WG256411
Sulfate	mg/l	37.9	37.8	0.142	20	95	WG256411
TOC (Total Organic Carbon)	mg/l	64.6	64.2	0.621	20	108	WG256415
Methane	ppm	951.	956.	0.541	15	95	WG256616
1,1,1-Trichloroethane	mg/l	0.0238	0.0222	7.20	17	119	WG257034
1,1,2,2-Tetrachloroethane	mg/l	0.0238	0.0214	10.6	16	119	WG257034
1,1,2-Trichloroethane	mg/l	0.0223	0.0210	6.03	16	112	WG257034
1,1-Dichloroethane	mg/l	0.0215	0.0204	5.32	22	108	WG257034
1,1-Dichloroethene	mg/l	0.0240	0.0225	6.58	17	120	WG257034
1,2-Dibromoethane	mg/l	0.0238	0.0222	7.16	16	119	WG257034
1,2-Dichlorobenzene	mg/l	0.0215	0.0197	8.88	16	108	WG257034
1,2-Dichloroethane	mg/l	0.0218	0.0195	11.0	15	109	WG257034
1,2-Dichloropropane	mg/l	0.0209	0.0189	10.1	18	105	WG257034

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Quality Assurance Report
Level II

L250501

July 03, 2006

1,3-Dichlorobenzene	mg/l	0.0252	0.0249	1.13	17	126	WG257034

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,4-Dichlorobenzene	mg/l	0.0204	0.0193	5.76	17	102	WG257034
2-Chloroethyl vinyl ether	mg/l	0.0685	0.0525	26.4	28	69	WG257034
Bromodichloromethane	mg/l	0.0224	0.0206	8.11	17	112	WG257034
Bromoform	mg/l	0.0251	0.0219	13.6	15	125	WG257034
Bromomethane	mg/l	0.0262	0.0312	17.3	21	131	WG257034
Carbon Tetrachloride	mg/l	0.0240	0.0231	4.06	17	120	WG257034
Chlorobenzene	mg/l	0.0226	0.0219	3.31	16	113	WG257034
Chlorodibromomethane	mg/l	0.0233	0.0211	9.91	15	117	WG257034
Chloroethane	mg/l	0.0173	0.0166	3.63	24	86	WG257034
Chloroform	mg/l	0.0239	0.0217	9.54	15	119	WG257034
Chloromethane	mg/l	0.0210	0.0196	6.65	22	105	WG257034
cis-1,2-Dichloroethene	mg/l	0.0221	0.0203	8.27	15	110	WG257034
cis-1,3-Dichloropropene	mg/l	0.0226	0.0209	7.50	18	113	WG257034
Dichlorodifluoromethane	mg/l	0.0188	0.0178	5.20	22	94	WG257034
Methylene chloride	mg/l	0.0250	0.0218	13.4	17	125	WG257034
Tetrachloroethene	mg/l	0.0242	0.0235	2.99	18	121	WG257034
trans-1,2-Dichloroethene	mg/l	0.0229	0.0216	5.86	22	114	WG257034
trans-1,3-Dichloropropene	mg/l	0.0240	0.0214	11.3	18	120	WG257034
Trichloroethene	mg/l	0.0229	0.0218	4.85	16	114	WG257034
Trichlorofluoromethane	mg/l	0.0204	0.0191	6.34	19	102	WG257034
Vinyl chloride	mg/l	0.0210	0.0190	9.63	17	105	WG257034
1,1,1-Trichloroethane	mg/l	0.0266	0.0258	3.23	17	133	WG257127
1,1,2,2-Tetrachloroethane	mg/l	0.0236	0.0216	8.74	16	118	WG257127
1,1,2-Trichloroethane	mg/l	0.0216	0.0210	2.74	16	108	WG257127
1,1-Dichloroethane	mg/l	0.0246	0.0244	0.683	22	123	WG257127
1,1-Dichloroethene	mg/l	0.0251	0.0257	2.20	17	126	WG257127
1,2-Dibromoethane	mg/l	0.0230	0.0224	2.77	16	115	WG257127
1,2-Dichlorobenzene	mg/l	0.0202	0.0206	1.75	16	101	WG257127
1,2-Dichloroethane	mg/l	0.0233	0.0226	3.17	15	116	WG257127
1,2-Dichloropropane	mg/l	0.0221	0.0212	4.15	18	110	WG257127
1,3-Dichlorobenzene	mg/l	0.0228	0.0233	2.30	17	114	WG257127
1,4-Dichlorobenzene	mg/l	0.0200	0.0204	1.98	17	100	WG257127
2-Chloroethyl vinyl ether	mg/l	0.0652	0.0712	8.73	28	65	WG257127
Bromodichloromethane	mg/l	0.0235	0.0231	1.56	17	117	WG257127
Bromoform	mg/l	0.0245	0.0242	1.53	15	123	WG257127
Bromomethane	mg/l	0.0258	0.0341	27.7	21	129	WG257127
Carbon Tetrachloride	mg/l	0.0271	0.0274	1.01	17	135	WG257127
Chlorobenzene	mg/l	0.0213	0.0219	2.93	16	106	WG257127
Chlorodibromomethane	mg/l	0.0213	0.0217	1.97	15	106	WG257127
Chloroethane	mg/l	0.0207	0.0204	1.88	24	104	WG257127
Chloroform	mg/l	0.0232	0.0231	0.148	15	116	WG257127
Chloromethane	mg/l	0.0239	0.0235	1.34	22	119	WG257127
cis-1,2-Dichloroethene	mg/l	0.0239	0.0238	0.276	15	119	WG257127
cis-1,3-Dichloropropene	mg/l	0.0229	0.0228	0.682	18	115	WG257127
Dichlorodifluoromethane	mg/l	0.0205	0.0204	0.218	22	102	WG257127
Methylene chloride	mg/l	0.0247	0.0246	0.603	17	124	WG257127
Tetrachloroethene	mg/l	0.0219	0.0220	0.621	18	109	WG257127
trans-1,2-Dichloroethene	mg/l	0.0248	0.0248	0.161	22	124	WG257127
trans-1,3-Dichloropropene	mg/l	0.0240	0.0235	1.99	18	120	WG257127
Trichloroethene	mg/l	0.0234	0.0231	1.43	16	117	WG257127
Trichlorofluoromethane	mg/l	0.0239	0.0234	2.07	19	119	WG257127
Vinyl chloride	mg/l	0.0231	0.0229	0.711	17	115	WG257127

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chloride	mg/l	53.7	4.50	50	98.0	80-120	L250501-01	WG256411
Nitrate	mg/l	6.25	1.30	5	99.0	80-120	L250501-01	WG256411

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Sulfate	mg/l	49.6	0.00	50	99.0	80-120	L250501-01	WG256411

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TOC (Total Organic Carbon)	mg/l	49.3	2.80	50	93.0	80-120	L250290-18	WG256415
1,1,1-Trichloroethane	mg/l	0.0237	0.00	.02	119.	54-143	L250520-11	WG257034
1,1,2,2-Tetrachloroethane	mg/l	0.0192	0.00	.02	96.0	58-134	L250520-11	WG257034
1,1,2-Trichloroethane	mg/l	0.0187	0.00	.02	94.0	58-125	L250520-11	WG257034
1,1-Dichloroethane	mg/l	0.0272	0.0074	.02	99.0	53-136	L250520-11	WG257034
1,1-Dichloroethene	mg/l	0.0243	0.0021	.02	111.	58-145	L250520-11	WG257034
1,2-Dibromoethane	mg/l	0.0187	0.00	.02	93.0	64-126	L250520-11	WG257034
1,2-Dichlorobenzene	mg/l	0.0147	0.00	.02	73.0	0-0	L250520-11	WG257034
1,2-Dichloroethane	mg/l	0.0227	0.00	.02	113.	54-145	L250520-11	WG257034
1,2-Dichloropropane	mg/l	0.0201	0.00	.02	100.	55-135	L250520-11	WG257034
1,3-Dichlorobenzene	mg/l	0.0169	0.00	.02	85.0	47-128	L250520-11	WG257034
1,4-Dichlorobenzene	mg/l	0.0126	0.00	.02	63.0	47-123	L250520-11	WG257034
2-Chloroethyl vinyl ether	mg/l	0.0054	0.00	.1	5.0	28-148	L250520-11	WG257034
Bromodichloromethane	mg/l	0.0201	0.00	.02	101.	54-139	L250520-11	WG257034
Bromoform	mg/l	0.0186	0.00	.02	93.0	52-144	L250520-11	WG257034
Bromomethane	mg/l	0.0202	0.00	.02	101.	23-131	L250520-11	WG257034
Carbon Tetrachloride	mg/l	0.0222	0.00	.02	111.	51-147	L250520-11	WG257034
Chlorobenzene	mg/l	0.0170	0.00	.05	34.0	59-125	L250520-11	WG257034
Chlorodibromomethane	mg/l	0.0178	0.00	.02	89.0	57-133	L250520-11	WG257034
Chloroethane	mg/l	0.0163	0.00	.02	82.0	38-153	L250520-11	WG257034
Chloroform	mg/l	0.0279	0.00	.02	139.	55-133	L250520-11	WG257034
Chloromethane	mg/l	0.0164	0.00	.02	82.0	39-135	L250520-11	WG257034
cis-1,2-Dichloroethene	mg/l	0.0225	0.00	.02	112.	64-126	L250520-11	WG257034
cis-1,3-Dichloropropene	mg/l	0.0189	0.00	.02	94.0	54-122	L250520-11	WG257034
Dichlorodifluoromethane	mg/l	0.0130	0.00	.02	65.0	26-153	L250520-11	WG257034
Methylene chloride	mg/l	0.0259	0.00	.02	129.	44-143	L250520-11	WG257034
Tetrachloroethene	mg/l	0.0154	0.00	.02	77.0	53-128	L250520-11	WG257034
trans-1,2-Dichloroethene	mg/l	0.0193	0.00	.02	97.0	52-139	L250520-11	WG257034
trans-1,3-Dichloropropene	mg/l	0.0191	0.00	.02	96.0	48-113	L250520-11	WG257034
Trichloroethene	mg/l	0.0183	0.00	.02	91.0	57-135	L250520-11	WG257034
Trichlorofluoromethane	mg/l	0.0184	0.00	.02	92.0	42-134	L250520-11	WG257034
Vinyl chloride	mg/l	0.0172	0.00	.02	86.0	44-132	L250520-11	WG257034
1,1,1-Trichloroethane	mg/l	0.0274	0.00	.02	137.	54-143	L250740-01	WG257127
1,1,2,2-Tetrachloroethane	mg/l	0.0213	0.00	.02	107.	58-134	L250740-01	WG257127
1,1,2-Trichloroethane	mg/l	0.0207	0.00	.02	104.	58-125	L250740-01	WG257127
1,1-Dichloroethane	mg/l	0.0280	0.00	.02	140.	53-136	L250740-01	WG257127
1,1-Dichloroethene	mg/l	0.0257	0.00	.02	128.	58-145	L250740-01	WG257127
1,2-Dibromoethane	mg/l	0.0212	0.00	.02	106.	64-126	L250740-01	WG257127
1,2-Dichlorobenzene	mg/l	0.0167	0.00	.02	84.0	0-0	L250740-01	WG257127
1,2-Dichloroethane	mg/l	0.0276	0.00	.02	138.	54-145	L250740-01	WG257127
1,2-Dichloropropane	mg/l	0.0237	0.00	.02	118.	55-135	L250740-01	WG257127
1,3-Dichlorobenzene	mg/l	0.0175	0.00	.02	88.0	47-128	L250740-01	WG257127
1,4-Dichlorobenzene	mg/l	0.0157	0.00	.02	79.0	47-123	L250740-01	WG257127
2-Chloroethyl vinyl ether	mg/l	0.0736	0.00	.1	74.0	28-148	L250740-01	WG257127
Bromodichloromethane	mg/l	0.0246	0.00	.02	123.	54-139	L250740-01	WG257127
Bromoform	mg/l	0.0215	0.00	.02	107.	52-144	L250740-01	WG257127
Bromomethane	mg/l	0.0127	0.00	.02	63.0	23-131	L250740-01	WG257127
Carbon Tetrachloride	mg/l	0.0273	0.00	.02	137.	51-147	L250740-01	WG257127
Chlorobenzene	mg/l	0.0186	0.00	.05	37.0	59-125	L250740-01	WG257127
Chlorodibromomethane	mg/l	0.0201	0.00	.02	100.	57-133	L250740-01	WG257127
Chloroethane	mg/l	0.0212	0.00	.02	106.	38-153	L250740-01	WG257127
Chloroform	mg/l	0.0260	0.00	.02	130.	55-133	L250740-01	WG257127
Chloromethane	mg/l	0.0206	0.00	.02	103.	39-135	L250740-01	WG257127
cis-1,2-Dichloroethene	mg/l	0.0260	0.00	.02	130.	64-126	L250740-01	WG257127
cis-1,3-Dichloropropene	mg/l	0.0224	0.00	.02	112.	54-122	L250740-01	WG257127
Dichlorodifluoromethane	mg/l	0.0121	0.00	.02	60.0	26-153	L250740-01	WG257127
Methylene chloride	mg/l	0.0279	0.00	.02	140.	44-143	L250740-01	WG257127

ENVIRONMENTAL SCIENCE CORP.

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Charlotte, NC 28203

Quality Assurance Report
Level II

L250501

July 03, 2006

Tetrachloroethene	mg/l	0.0233	0.0018	.02	107.	53-128	L250740-01	WG257127

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
trans-1,2-Dichloroethene	mg/l	0.0243	0.00	.02	121.	52-139	L250740-01	WG257127
trans-1,3-Dichloropropene	mg/l	0.0226	0.00	.02	113.	48-113	L250740-01	WG257127
Trichloroethene	mg/l	0.0221	0.00	.02	111.	57-135	L250740-01	WG257127
Trichlorofluoromethane	mg/l	0.0226	0.00	.02	113.	42-134	L250740-01	WG257127
Vinyl chloride	mg/l	0.0214	0.00	.02	107.	44-132	L250740-01	WG257127

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Chloride	mg/l	55.3	53.7	2.76	20	102.	L250501-01	WG256411
Nitrate	mg/l	6.38	6.25	2.07	20	102.	L250501-01	WG256411
Sulfate	mg/l	50.5	49.6	1.78	20	101.	L250501-01	WG256411
TOC (Total Organic Carbon)	mg/l	49.1	49.3	0.407	20	93.0	L250290-18	WG256415
1,1,1-Trichloroethane	mg/l	0.0263	0.0237	10.2	22	131.	L250520-11	WG257034
1,1,2,2-Tetrachloroethane	mg/l	0.0201	0.0192	4.38	27	100.	L250520-11	WG257034
1,1,2-Trichloroethane	mg/l	0.0195	0.0187	4.10	19	97.0	L250520-11	WG257034
1,1-Dichloroethane	mg/l	0.0291	0.0272	6.79	22	109.	L250520-11	WG257034
1,1-Dichloroethene	mg/l	0.0265	0.0243	8.87	22	122.	L250520-11	WG257034
1,2-Dibromoethane	mg/l	0.0193	0.0187	3.52	19	97.0	L250520-11	WG257034
1,2-Dichlorobenzene	mg/l	0.0162	0.0147	9.74	19	81.0	L250520-11	WG257034
1,2-Dichloroethane	mg/l	0.0242	0.0227	6.32	21	121.	L250520-11	WG257034
1,2-Dichloropropane	mg/l	0.0212	0.0201	5.34	20	106.	L250520-11	WG257034
1,3-Dichlorobenzene	mg/l	0.0178	0.0169	4.77	25	89.0	L250520-11	WG257034
1,4-Dichlorobenzene	mg/l	0.0136	0.0126	7.42	18	68.0	L250520-11	WG257034
2-Chloroethyl vinyl ether	mg/l	0.0056	0.0054	3.16	18	6.00	L250520-11	WG257034
Bromodichloromethane	mg/l	0.0218	0.0201	7.99	19	109.	L250520-11	WG257034
Bromoform	mg/l	0.0189	0.0186	1.51	21	94.0	L250520-11	WG257034
Bromomethane	mg/l	0.0219	0.0202	8.04	24	110.	L250520-11	WG257034
Carbon Tetrachloride	mg/l	0.0249	0.0222	11.7	23	125.	L250520-11	WG257034
Chlorobenzene	mg/l	0.0180	0.0170	6.24	22	36.0	L250520-11	WG257034
Chlorodibromomethane	mg/l	0.0193	0.0178	8.30	19	96.0	L250520-11	WG257034
Chloroethane	mg/l	0.0170	0.0163	4.13	25	85.0	L250520-11	WG257034
Chloroform	mg/l	0.0300	0.0279	7.35	20	150.	L250520-11	WG257034
Chloromethane	mg/l	0.0174	0.0164	6.32	23	87.0	L250520-11	WG257034
cis-1,2-Dichloroethene	mg/l	0.0246	0.0225	9.00	18	123.	L250520-11	WG257034
cis-1,3-Dichloropropene	mg/l	0.0208	0.0189	9.98	22	104.	L250520-11	WG257034
Dichlorodifluoromethane	mg/l	0.0141	0.0130	7.83	25	70.0	L250520-11	WG257034
Methylene chloride	mg/l	0.0272	0.0259	4.99	22	136.	L250520-11	WG257034
Tetrachloroethene	mg/l	0.0171	0.0154	10.5	24	85.0	L250520-11	WG257034
trans-1,2-Dichloroethene	mg/l	0.0220	0.0193	13.0	24	110.	L250520-11	WG257034
trans-1,3-Dichloropropene	mg/l	0.0211	0.0191	9.80	22	105.	L250520-11	WG257034
Trichloroethene	mg/l	0.0201	0.0183	9.50	23	100.	L250520-11	WG257034
Trichlorofluoromethane	mg/l	0.0197	0.0184	6.90	21	99.0	L250520-11	WG257034
Vinyl chloride	mg/l	0.0183	0.0172	6.31	24	92.0	L250520-11	WG257034
1,1,1-Trichloroethane	mg/l	0.0281	0.0274	2.75	22	141.	L250740-01	WG257127
1,1,2,2-Tetrachloroethane	mg/l	0.0222	0.0213	4.25	27	111.	L250740-01	WG257127
1,1,2-Trichloroethane	mg/l	0.0203	0.0207	2.11	19	101.	L250740-01	WG257127
1,1-Dichloroethane	mg/l	0.0287	0.0280	2.72	22	144.	L250740-01	WG257127
1,1-Dichloroethene	mg/l	0.0250	0.0257	2.46	22	125.	L250740-01	WG257127
1,2-Dibromoethane	mg/l	0.0218	0.0212	2.73	19	109.	L250740-01	WG257127
1,2-Dichlorobenzene	mg/l	0.0168	0.0167	0.322	19	84.0	L250740-01	WG257127
1,2-Dichloroethane	mg/l	0.0275	0.0276	0.352	21	137.	L250740-01	WG257127
1,2-Dichloropropane	mg/l	0.0245	0.0237	3.43	20	123.	L250740-01	WG257127
1,3-Dichlorobenzene	mg/l	0.0186	0.0175	5.84	25	93.0	L250740-01	WG257127
1,4-Dichlorobenzene	mg/l	0.0155	0.0157	1.39	18	77.0	L250740-01	WG257127
2-Chloroethyl vinyl ether	mg/l	0.101	0.0736	31.8	18	101.	L250740-01	WG257127

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Quality Assurance Report
Level II

L250501

July 03, 2006

Bromodichloromethane	mg/l	0.0255	0.0246	3.27	19	127.	L250740-01	WG257127

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Bromoform	mg/l	0.0230	0.0215	7.04	21	115.	L250740-01	WG257127
Bromomethane	mg/l	0.0170	0.0127	29.3	24	85.0	L250740-01	WG257127
Carbon Tetrachloride	mg/l	0.0282	0.0273	3.06	23	141.	L250740-01	WG257127
Chlorobenzene	mg/l	0.0193	0.0186	3.88	22	39.0	L250740-01	WG257127
Chlorodibromomethane	mg/l	0.0205	0.0201	2.13	19	103.	L250740-01	WG257127
Chloroethane	mg/l	0.0206	0.0212	2.95	25	103.	L250740-01	WG257127
Chloroform	mg/l	0.0261	0.0260	0.106	20	130.	L250740-01	WG257127
Chloromethane	mg/l	0.0203	0.0206	1.72	23	101.	L250740-01	WG257127
cis-1,2-Dichloroethene	mg/l	0.0269	0.0260	3.20	18	134.	L250740-01	WG257127
cis-1,3-Dichloropropene	mg/l	0.0231	0.0224	2.86	22	115.	L250740-01	WG257127
Dichlorodifluoromethane	mg/l	0.0124	0.0121	2.49	25	62.0	L250740-01	WG257127
Methylene chloride	mg/l	0.0272	0.0279	2.64	22	136.	L250740-01	WG257127
Tetrachloroethene	mg/l	0.0202	0.0233	14.0	24	92.0	L250740-01	WG257127
trans-1,2-Dichloroethene	mg/l	0.0283	0.0243	15.4	24	142.	L250740-01	WG257127
trans-1,3-Dichloropropene	mg/l	0.0230	0.0226	2.11	22	115.	L250740-01	WG257127
Trichloroethene	mg/l	0.0228	0.0221	3.18	23	114.	L250740-01	WG257127
Trichlorofluoromethane	mg/l	0.0221	0.0226	1.97	21	111.	L250740-01	WG257127
Vinyl chloride	mg/l	0.0212	0.0214	1.12	24	106.	L250740-01	WG257127

Batch number /Run number / Sample number cross reference

WG256415: R280288: L250501-01 02 03
WG256411: R280314: L250501-01 02 03
WG256616: R280368: L250501-01 02 03
WG257034: R280791: L250501-01 02 04
WG257127: R280842: L250501-01 03 04

* * Calculations are performed prior to rounding of reported values .

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Charlotte, NC 28203

Quality Assurance Report
Level II

L250501

July 03, 2006

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Hart & Hickman
501 Minuet Lane #101
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Alternate billing information:

Report to: Shannon Cottrill

Email to: scottrill@harthickman.com

Chain of Custody Page 1 of 1

Prepared by:

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Project Description: Goodrich-Delavan

City/Sate Collected: SC

Phone: 704-586-0007
FAX: 704-586-0373

Client Project #: GDR-006

ESC Key:

Collected by: JAMES MCCUTCHEON

Site/Facility ID#: BAMBERG, SC

P.O.#:

Collected by (signature): James McCutcheon

Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day.....200%
___ Next Day.....100%
___ Two Day.....50%

Date Results Needed: STAT

Email? ___No X Yes
FAX? X No ___Yes

CoCode: TURNHART (lab use only)
Template/Prelogin: P180410
6-26-06
Shipped Via: Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V601	Nitrate	Sulfate	TOC	Chloride	Methane			Remarks/Contaminant	Sample # (lab only)
MW-1	G	GW	NA	6-26-06	1350	6	X	X	X	X	X	X				
MW-9	G	GW	NA	6-26-06	1320	6	X	X	X	X	X	X				
MW-10	G	GW	NA	6-26-06	1230	6	X	X	X	X	X	X				
TRIP BLANK						1	X									

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Remarks: (A) EMAIL TO: SCOTTRILL@HARTHICKMAN.COM

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
James McCutcheon	6-26-06	1730			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: / Bottles Received:	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: / Time:	pH Checked: / NCF: