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Report of HRC Injection and Pre- and Post-Injection Ground Water Monitoring Delavan Spray Technologies Facility Bamberg, South Carolina DHEC Site ID #02211

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Report of HRC Injection and
Pre- and Post-Injection Ground Water Monitoring
Delavan Spray Technologies Facility
Bamberg, South Carolina
H&H Job GDR-006

1.0 Introduction

This report presents the methods and results of Hydrogen Release Compound (HRC) injection and pre- and post-injection ground water monitoring conducted 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 in Figure 2.

Previous assessment activities indicated the presence of volatile organic compounds (VOCs), primarily chlorinated compounds, in ground water at the Delavan facility. The results of previous ground water assessment activities are summarized in a Ground Water Assessment Report dated March 15, 2004 and various earlier reports. A brief summary of the assessment activities is provided below.

Previous ground water sampling indicates that tetrachloroethene (PCE) is the primary chlorinated compound present in ground water at the site. Other analytes detected in ground water samples above the South Carolina Maximum Contaminant Level (MCL) included trichloroethene (TCE) and 1,1-dichloroethene (1,1-DCE). TCE is a degradation product of PCE via a process known as reductive dechlorination.

The PCE concentrations in ground water from December 2003 and February 2004 ground water sampling events are presented on Figure 2 and historical VOC analytical detections from site monitoring well sampling are summarized on Table 3. These include samples from eleven monitoring wells collected in December 2003 and from twelve temporary direct push technology (DPT) wells in 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 the 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, 2005 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. In addition, the work plan proposed pre- and post-injection monitoring to evaluate the effectiveness of the HRC injection and evaluate and monitor Site biodegradation processes. The Work Plan was approved by DHEC on October 27, 2004.

Prior to conducting the injection, and as required by regulation, H&H submitted an Underground Injection Control (UIC) permit application for the proposed biodegradation enhancement utilizing HRC to DHEC's Underground Injection Control (UIC) group on January 31, 2005. DHEC issued an injection permit (Permit No. 816) on February 11, 2005 (see Appendix A).

The pre-injection monitoring was conducted on March 14, 2005 and the HRC injection was conducted over the next two days. Three quarterly post-injection monitoring events have been conducted since that time. 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. A more comprehensive post-injection sampling event is planned for March 2006 to include each site monitoring well.

The following sections of this report present the methods of the HRC injection, the methods and results of the pre-injection monitoring, and the results of post-injection monitoring conducted in June, September and December 2005.

2.0 HRC Injection

H&H conducted HRC injection activities at the Site on March 15 and 16, 2005. A brief description of HRC and a discussion of site-specific injection procedures and locations are presented in the following sections.

2.1 HRC Background Information

Biodegradation of chlorinated ethenes such as those present at the Site (including PCE, TCE, and cis-1,2-DCE) occurs by a process known as reductive dechlorination. In this process, organic carbon (which serves as a source of hydrogen) serves as an electron donor and the chlorinated ethene serves as the electron acceptor. Because oxygen is a more favored electron acceptor than chlorinated ethenes, reductive dechlorination occurs most favorably under anaerobic conditions. Reductive dechlorination is generally an electron donor limited reaction. That is, if there is an insufficient supply of organic carbon, the reaction will not be efficient.

Because reductive dechlorination is electron donor limited, enhancement of chlorinated ethene biodegradation can be accomplished by augmenting the supply of organic carbon. There are several compounds that have been used at sites to augment the organic carbon supply. These include materials such as sugar and molasses. The main disadvantage with these materials is that they dissolve readily in ground water and must be reapplied frequently.

HRC is a proprietary organic carbon supply manufactured by Regenesis, Inc. that has been specifically designed for applications such as those at the Delavan Site. HRC is a food-grade substance (polyactate ester known as glycerol tripolyactate) which produces lactic acid and a low level supply of hydrogen upon contact with water. Lactic acid occurs naturally in milk and foods. The main advantage of HRC over other electron donors is that HRC releases hydrogen over a longer time period than other compounds so that reapplication is less frequent. Most HRC applications have a residence time in ground water of approximately one year. Because of the relative insolubility of HRC compared with other electron donors, HRC remains where placed

for continued treatment of passing ground water rather than readily dissolving into ground water and being transported out of the target area.

The HRC enhancement to natural attenuation is two fold. HRC provides a substrate for microbes to assimilate other compounds such as oxygen to drive the aquifer anaerobic or to assimilate nitrate and sulfate which compete with chlorinated VOCs such as PCE in anaerobic biological reactions. Secondly, HRC provides a source of hydrogen (electron donor) which can be used by microbes which participate in reductive dechlorination of chlorinated VOCs (electron acceptor).

2.2 Site-Specific HRC Injection Procedures

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) to depths of approximately 20 ft and then injected with HRC. 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. A diagram showing a typical HRC injection point is provided as Figure 4.

3.0 Pre- and Post-HRC Injection Ground Water Monitoring Results

3.1 Data Collection Procedures

Ground water samples were collected immediately prior to implementation of the HRC injection in March 2005 to provide baseline data, and ground water samples have been collected on three more occasions (June, September, and December 2005) since the injection. The ground water monitoring was conducted in accordance with the sampling program in the approved August 2004 work plan. The sampling program is summarized on Table 1. Prior to collection of the ground water samples, the wells were purged until pH, temperature, and specific conductivity stabilized. The monitoring wells were purged using dedicated disposable bailers. 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. Pre-injection and post-injection analytical data are presented in Sections 3.3 and 3.4, respectively.

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 December 2005

sampling event are presented as Figures 5 and 6, respectively. Contours for June and September are similar and maps were not prepared.

Depths to water in March 2005 ranged from approximately 5 ft to 14 ft below grade. Ground water elevations were generally approximately 1 ft lower in December 2005 and the depths to water ranged from approximately 7 ft to 15 ft. Figure 7 shows hydrographs of the Site monitoring wells.

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. 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 7) indicates that water level fluctuations are less pronounced within the central portion of the ground water trough (MW-1, MW-3 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 Pre-Injection Ground Water Analytical Data

During the March 2005 baseline sampling event, each of the eleven on-site monitoring wells was sampled and the samples analyzed for VOCs by EPA Method 601. The ground water samples

from wells in the vicinity of the remedial action areas (MW-1, MW-9, MW-10) were also analyzed for geochemical parameters. Additionally, the sample from monitoring well MW-1 was also analyzed for metabolic acids in addition to the VOCs and geochemical parameters mentioned above. 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. Laboratory analysis of the samples included nitrate, sulfate, chlorides, total organic carbon (TOC), and methane. The pre-injection sampling laboratory analytical data are provided in Appendix B, and 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.

Ground water sampling immediately prior to HRC injection confirms that PCE is the primary constituent of concern at the site. The only other analytes detected in ground water samples above the South Carolina Maximum Contaminant Level (MCL) were TCE and 1,1-DCE. The PCE concentrations in ground water from the March 2005 ground water sampling event are presented on Figure 8 and have a similar distribution to the December 2003 sampling. PCE was detected in 7 of the 11 monitor wells at concentrations ranging from 4.30 to 5,470 μg/l. The MCL for PCE is 5 μg/l. The extent of PCE detections appears similar to historical conditions and is generally within the property limits of the Delavan site. The extent of the plume is delineated to the north by GP-9 (1.9 μg/l), GP-10 (<1 μg/l), GP-11 (<1 μg/l) and GP-12 (<1 μg/l), to the northeast and east by GP-8 (3.4 μg/l) and MW-4 (<1 μg/l), to the south by MW-7 (<1 μg/l), to the west by MW-2 (4.30 μg/l), and the northwest by MW-11 (<1 μg/l). Please note that the GP samples were from temporary wells sampled during February 2004 and these were not sampled during March 2005.

During the March 2005 sampling event of site monitoring wells, the highest concentration of PCE (5,470 μg/l) was detected in the sample from MW-1. The PCE concentrations in the other two areas of elevated PCE; one near MW-9 (located near the northern property line) and one near MW-10 (located in the northwestern portion of the property within a powerline easement, were 3,520 μg/l and 4,360 μg/l, respectively. The VOCs in each of these areas is discussed below.

MW-1 Area VOCs

The MW-1 plume is located near the former PCE containment area. PCE was detected in the sample from MW-1 at a concentration of 5,470 µg/l. The only other analyte detected above its MCL was TCE (a degradation product of PCE) at a concentration of 34.8 µg/l. The PCE plume in this area extends to the north and northeast and slightly to the south. PCE detections were noted in MW-3 (113 µg/l), located approximately 150 ft south of MW-1. PCE was not detected in MW-7, located along the southern property boundary approximately 70 ft further south of MW-3. The primary direction of ground water flow in the vicinity of MW-1 is suspected to be to the north, however, as indicated previously, MW-1 is located just north of a suspected ground water divide and a component of flow may seasonally occur to the south. However, the absence of PCE in MW-7 indicates the southern extent of the MW-1 plume does not extend off-site to the south. PCE concentrations drop significantly in samples collected to the north of MW-1. The seasonal fluctuation of ground water level in this area strongly influences transport and acts to limit the movement of migration of constituents of concern.

MW-9 Area VOCs

Monitor well MW-9 is located near the north-central portion of the site, just south of the drainage ditch bordering the northern property boundary. The ground water sample from MW-9 contained 3,520 µg/l of PCE, 76 µg/l of TCE, and 7.3 µg/l of 1,1-DCE. No other analytes were detected above their respective MCL. Ground water samples collected north of MW-9 from previous DPT sampling points GP-9 (1.9 µg/l), GP-10 (<1 µg/l) and GP-11 (<1 µg/l) indicate the presence of PCE in ground water does not extend significantly off the Delavan property.

MW-10 Area VOCs

MW-10 is located in the northwestern portion of the property within a powerline easement located approximately 120 ft south of the northern property boundary. The ground water sample from MW-10 contained 4,360 µg/l of PCE, 62.3 µg/l of TCE and 18.6 µg/l of 1,1-DCE. The PCE in the MW-10 area does not appear to have migrated off-site as evidenced by the lack of

PCE in ground water samples from previous samples collected in February 2004 from temporary wells GP-11 and GP-12.

Geochemical Parameters

The ground water samples from MW-1, MW-9, and MW-10 were analyzed for geochemical evaluation parameters including 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 2005. Geochemical data collected immediately prior to HRC injection indicate geochemical conditions were favorable for potential enhanced bioremediation via HRC injection.

Although a full suite of geochemical parameters was not analyzed for other ground water samples at the site, field geochemical measurements and VOC analytical data indicate appropriate conditions for PCE degradation at some areas around the site and that limited PCE degradation had occurred even prior to the injection of HRC. The evidence for PCE degradation includes lower dissolved oxygen concentrations in ground water samples from PCE-containing wells MW-3, MW-8, and MW-9, decreased ORP readings from select wells, and the presence of PCE daughter products TCE and/or cis-1,2-dichloroethene (cis-1,2-DCE) in ground water samples from MW-1, MW-9, and MW-10. TOC was not detected in wells MW-1, MW-2, or MW-9 and TOC is required for further dechlorination. Additionally, the dissolved oxygen in wells MW-1 (3.62 mg/l) and MW-10 (5.3 mg/l) was above the optimal concentration for dechlorination, therefore the addition of HRC was appropriate to add TOC and decrease the dissolved oxygen concentration. Additionally, competitors to the reductive dechlorination process (sulfate and nitrate) were not detected at concentrations that would represent substantial competition to the reductive dechlorination process. Therefore the pre-injection geochemical conditions continued to indicate favorable conditions for enhanced biodegradation via HRC injection.

Metabolic acids, as expected, were not detected in MW-1. Therefore, it can be inferred that any metabolic acids detected after the injection of HRC would be the result of the HRC injection and not of background concentrations.

3.4 Post-Injection Ground Water Analytical Data

After implementation of the HRC injection program in March 2005, three post-injection ground water sampling events were conducted in June, September, and December 2005 in accordance with the approved work plan post-injection monitoring schedule (see Table 1). During these quarterly sampling events monitoring wells MW-1, MW-9, and MW-10 were sampled for VOCs by EPA Method 601, geochemical parameters, and metabolic acids. The laboratory analytical data sheets are provided in Appendix C, D, and E for the June, September, and December sampling events, respectively. For ease of reference the results of pre- and post-injection ground water analytical, geochemical parameter data, and metabolic acids are summarized in Tables 3, 4 and 5, respectively. Figures 9, 10, and 11 present the March, June, September, and December 2005 ground water concentrations of PCE, TCE, and cis-1,2-DCE, respectively.

Post-injection monitoring has indicated significant reductions of PCE concentrations compared to historical maximum concentrations, however the concentrations have not decreased significantly compared to concentrations measured in March 2005, immediately prior to HRC injection. It should be noted that the PCE concentrations in wells MW-1, MW-9, and MW-10 have been variable since that time and a discernable trend is not yet evident. In general, it appears some indication of biodegradation is present to a limited degree, however the expected enhancement of biodegradation by HRC has not yet been fully evident. 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. A discussion of the VOC data and of geochemical indicators for the post-injection sampling is provided below.

VOC Concentrations: As indicated above, recent PCE concentrations in wells MW-1, MW-9, and MW-10 are significantly lower than historical maximum concentrations, however PCE concentrations have fluctuated at levels approximating those detected in March 2005, immediately prior to HRC injection. PCE daughter products have remained relatively stable except in MW-9. In MW-9, concentrations of PCE daughter products TCE and cis-1,2-DCE have increased significantly since HRC injection, indicating that PCE degradation is occurring. TCE and cis-1,2-DCE concentrations in MW-1 and MW-10 have remained stable.

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 below 5.0 mg/l in each of the three wells sampled. Compared to pre-injection concentrations, DO decreased slightly in MW-1, remained similar in MW-10, and decreased in MW-9. DO concentrations appear particularly well suited to dechlorination in MW-9 where the post-injection DO ranged from 0.19 mg/l to 0.78 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 either wells within the plume or in background wells.

Pre- and post-injection ferrous iron concentrations have not indicated a significant detection of ferrous iron. Based upon these data, iron reduction does not appear to be a significant process at the Site.

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 during pre- and post-injection sampling. This indicates that sulfate reduction is not an active terminal electron acceptor process at the Site.

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 to up to 1.92 mg/l. In MW-1 and MW-10 TOC was only detected once during the post-injection monitoring, however it was detected in MW-9 during each of the three post-injection monitoring events. 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. Increased TOC is often a precursor to enhanced biodegradation.

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 are 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 were 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.

Pre-injection metabolic acids were analyzed in MW-1 to determine if there were any background levels of metabolic acids prior to the injection. As expected, pre-HRC injection sampling did not indicate the presence of metabolic acids in ground water. Post-HRC injection sampling has not yet 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 has 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. Additionally, due to the expected disassociation rate of HRC, it is unlikely that the HRC has been consumed. Therefore, H&H suspects that, despite the relatively close spacing of the injection points, that the acids are present in ground water but have not yet reached the monitor wells.

3.5 Summary

In summary, there is evidence that some anaerobic degradation of chlorinated ethenes has occurred at the site. This evidence includes decreased PCE concentrations compared to historical maximums in each of the three area 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 have not yet been detected in Site monitoring wells, however H&H suspects that the effects of the HRC injection may not yet have been detected in site monitoring wells due to the low ground water velocity at the Site. As such, H&H is evaluating options to collect ground water samples in closer proximity of the injection points to determine if metabolic acids and other conditions favorable to PCE degradation are present.

4.0 Summary and Conclusions

PCE and its daughter products are present above MCLs in ground water at the Delavan Spray Technology Site in Bamberg, South Carolina. 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 three occasions since the injection (June, September, and December 2005). Results of ground water monitoring indicate some preliminary and limited evidence of enhanced degradation. H&H suspects that the high-clay content and low suspected ground water velocities at the Site has delayed the detection of geochemical indicators in the monitoring wells and that ground water conditions in closer proximity to the injection points may be more favorable.

In conclusion, the monitoring data provide some preliminary indications that HRC injection has modified the ground water geochemistry, and ground water conditions and chlorinated VOC concentrations will continue to be evaluated. A comprehensive ground water sampling event is planned for March 2006. H&H is currently evaluating the option of collecting additional ground water samples from temporary wells installed within the injection grids to determine the effects of the HRC injection at locations closer than the monitoring wells to determine if the more significant HRC-induced geochemical conditions exist closer to the injection points. Upon review of the March 2006 data, a report evaluating the effect of the HRC injection and plans for future actions will be submitted to DHEC.

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					
				06/05/2003		07/09/2003		12/31/2003		01/16/2004		03/14/2005		06/01/2005		09/20/2005		12/12/2005	
				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
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
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
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
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
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
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
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
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
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
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

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	06/04/2003	<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
	03/14/2005	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
	06/01/2005	<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
	09/20/2005	<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
MW-2	06/04/2003	<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
	03/14/2005	<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
MW-3	06/04/2003	<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
	03/14/2005	<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
MW-4	06/04/2003	<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
	03/14/2005	<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
MW-5	06/04/2003	<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
	03/14/2005	<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
MW-6	06/04/2003	<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
	03/14/2005	<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
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
	03/14/2005	<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
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
	03/14/2005	<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
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
	03/14/2005	<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
	06/01/2005	<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
	09/20/2005	33.9	<1.00	<1.00	<1.00	**158**	1.90	**5,000**	**295**	<1.00	1.28	**13.6**	<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	**8.9**	<1.00	<1.00	<1.00	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
	03/14/2005	<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
	06/01/2005	<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
	09/20/2005	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
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
	03/14/2005	<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
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	06/05/2003	<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	6.6	1.4	7.0	123	4.87	20.7	NA
	03/14/2005	3.62	<1.00	<0.026	8.41	1.28	<1.00	322	4.98	17.9	<0.2
	06/01/2005	3.15	1.48	<0.026	6.14	1.34	<1.00	234	4.94	19.3	<0.2
	09/20/2005	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
MW-2	12/30/2003	1.71	NA	NA	NA	NA	NA	103	4.79	20.6	NA
	03/14/2005	2.64	NA	NA	NA	NA	NA	310	4.68	17.5	<0.2
MW-3	12/30/2003	2.37	NA	NA	NA	NA	NA	100	5.05	21.4	NA
	03/14/2005	2.47	NA	NA	NA	NA	NA	340	4.93	17.6	<0.2
MW-4	12/30/2003	1.38	NA	NA	NA	NA	NA	5	5.26	18.3	NA
	03/14/2005	1.28	NA	NA	NA	NA	NA	25	4.76	15.6	3.6
MW-5	12/31/2003	4.57	NA	NA	NA	NA	NA	95	5.03	19.4	NA
	03/14/2005	4.01	NA	NA	NA	NA	NA	235	4.99	16.4	<0.2
MW-6	12/31/2003	3.77	NA	NA	NA	NA	NA	86	4.84	18.2	NA
	03/14/2005	1.86	NA	NA	NA	NA	NA	356	4.86	15.7	<0.2
MW-7	12/31/2003	4.01	NA	NA	NA	NA	NA	13	4.89	20.2	NA
	03/14/2005	4.80	NA	NA	NA	NA	NA	425	5.01	17.3	<0.2
MW-8	12/31/2003	4.15	NA	NA	NA	NA	NA	6	4.06	20.2	NA
	03/14/2005	1.80	NA	NA	NA	NA	NA	317	4.69	18.0	<0.2
MWT-1/MW-9	12/31/2003	1.33	NA	NA	NA	NA	NA	-114	5.56	17.5	NA
	03/14/2005	2.02	<1.00	<0.026	4.20	0.410	3.03	310	4.87	15.3	<0.2
	06/01/2005	0.78	1.92	<0.026	3.08	0.210	2.84	202	4.98	17.5	<0.2
	09/20/2005	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
MWT-2/MW-10	12/31/2003	4.79	NA	NA	NA	NA	NA	-16	5.93	16.5	NA
	03/14/2005	5.30	<1.00	<0.026	4.54	0.200	<1.00	323	4.95	15.1	<0.2
	06/01/2005	4.71	1.46	<0.026	4.51	0.270	<1.00	310	5.44	18.3	0.2
	09/20/2005	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
MWT-3/MW-11	12/31/2003	4.58	NA	NA	NA	NA	NA	-144	5.16	17.1	NA
	03/14/2005	0.96	NA	NA	NA	NA	NA	193	5.12	15.6	0.6

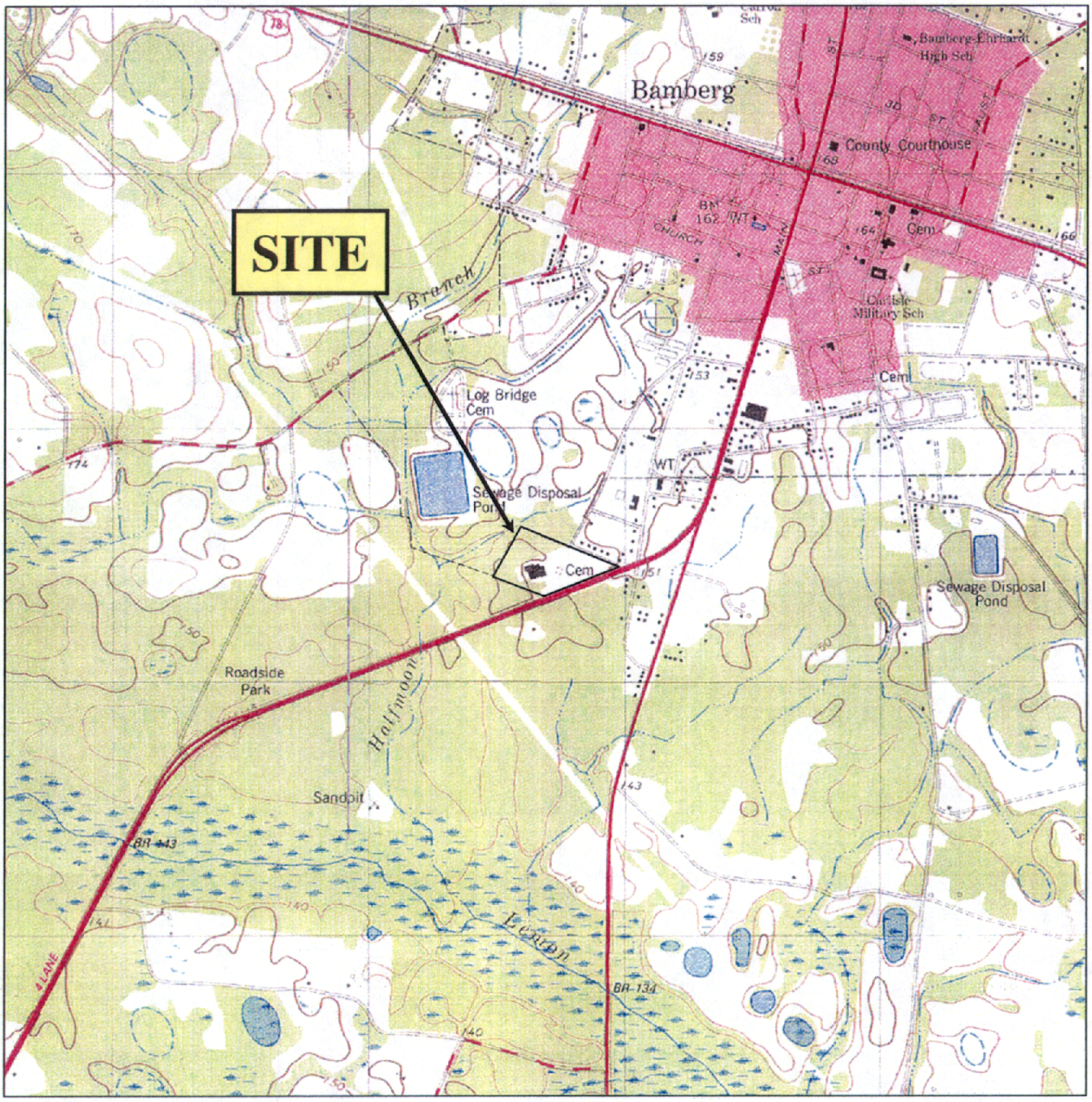
Notes:
NA = Not Analyzed; HRC = Hydrogen Release Compound
MWT-1, MWT-2, MWT-3 initially constructed as temporary wells and then converted to permanent wells MW-9, MW-10, and MW-11, respectively
HRC injection activities were conducted at the site on March 15 and 16, 2005
(1) Sample analysis performed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

File:Data Tables,GEOCHEMICAL (T4)
Date:01/12/2006

Table 5
Ground Water Metabolic Acids Analytical Results
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	03/14/2005	<0.1	<1.0	<1.0	<1.0	<1.0
	06/01/2005	<0.1	<1.0	<1.0	<1.0	<1.0
	09/20/2005	<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	03/14/2005	NA	NA	NA	NA	NA
	06/01/2005	<0.1	<1.0	<1.0	<1.0	<1.0
	09/20/2005	<0.1	<1.0	<1.0	<1.0	<1.0
	09/20/2005	<0.1	<1.0	<1.0	<1.0	<1.0
MWT-2/MW-10	03/14/2005	NA	NA	NA	NA	NA
	06/01/2005	<0.1	<1.0	<1.0	<1.0	<1.0
	09/20/2005	<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

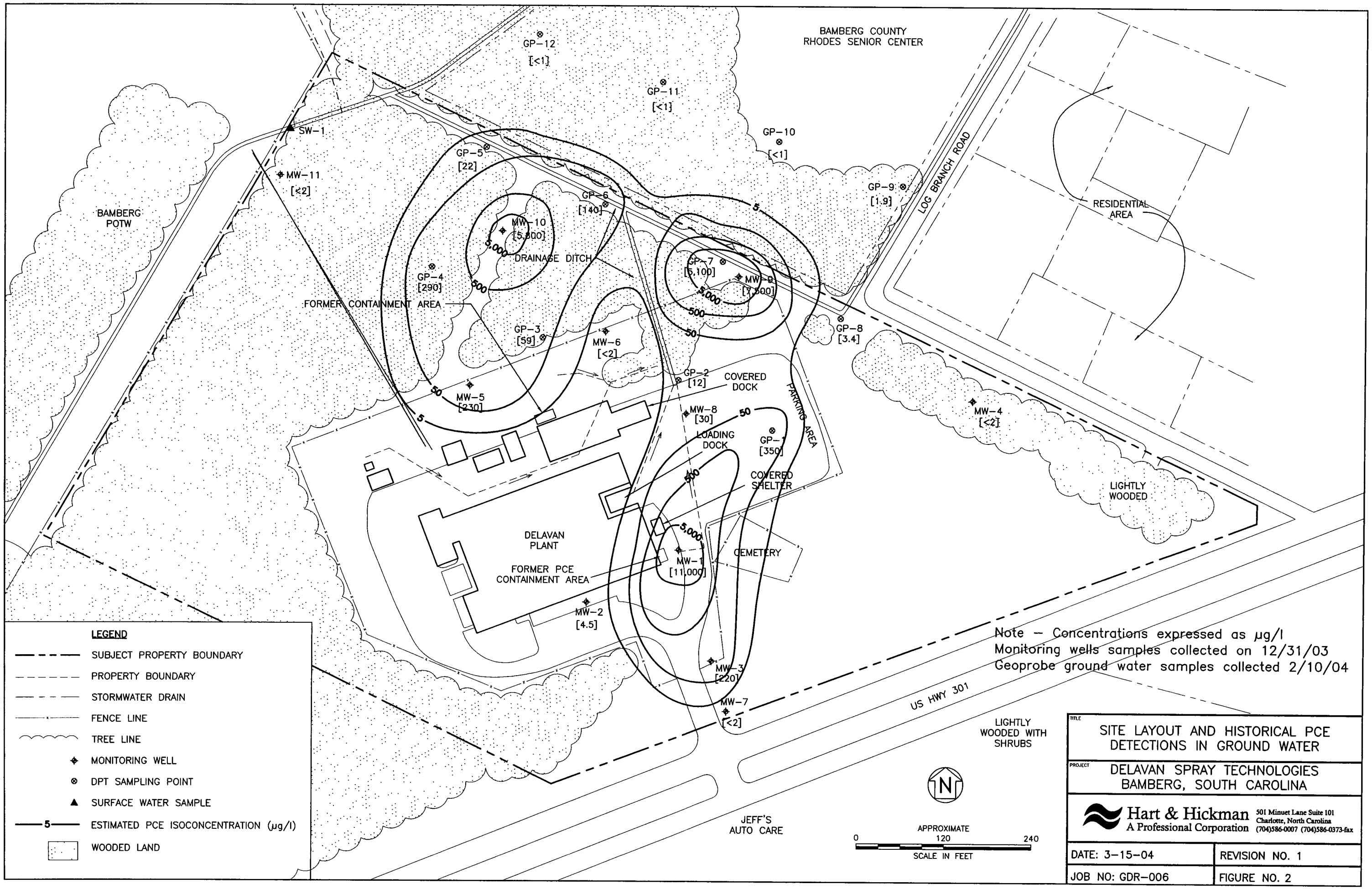
BAMBERG, SC 1979 (PHOTO REVISED 1987)

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


BAMBERG COUNTY
RHODES SENIOR CENTER
GP-12
[<1]
GP-11
[<1]
GP-10
[<1]
SW-1
GP-5
[22]
MW-11
[<2]
BAMBERG
POTW
GP-6
[140]
MW-10
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DRAINAGE DITCH
GP-4
[290]
FORMER CONTAINMENT AREA
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MW-5
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GP-7
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MW-9
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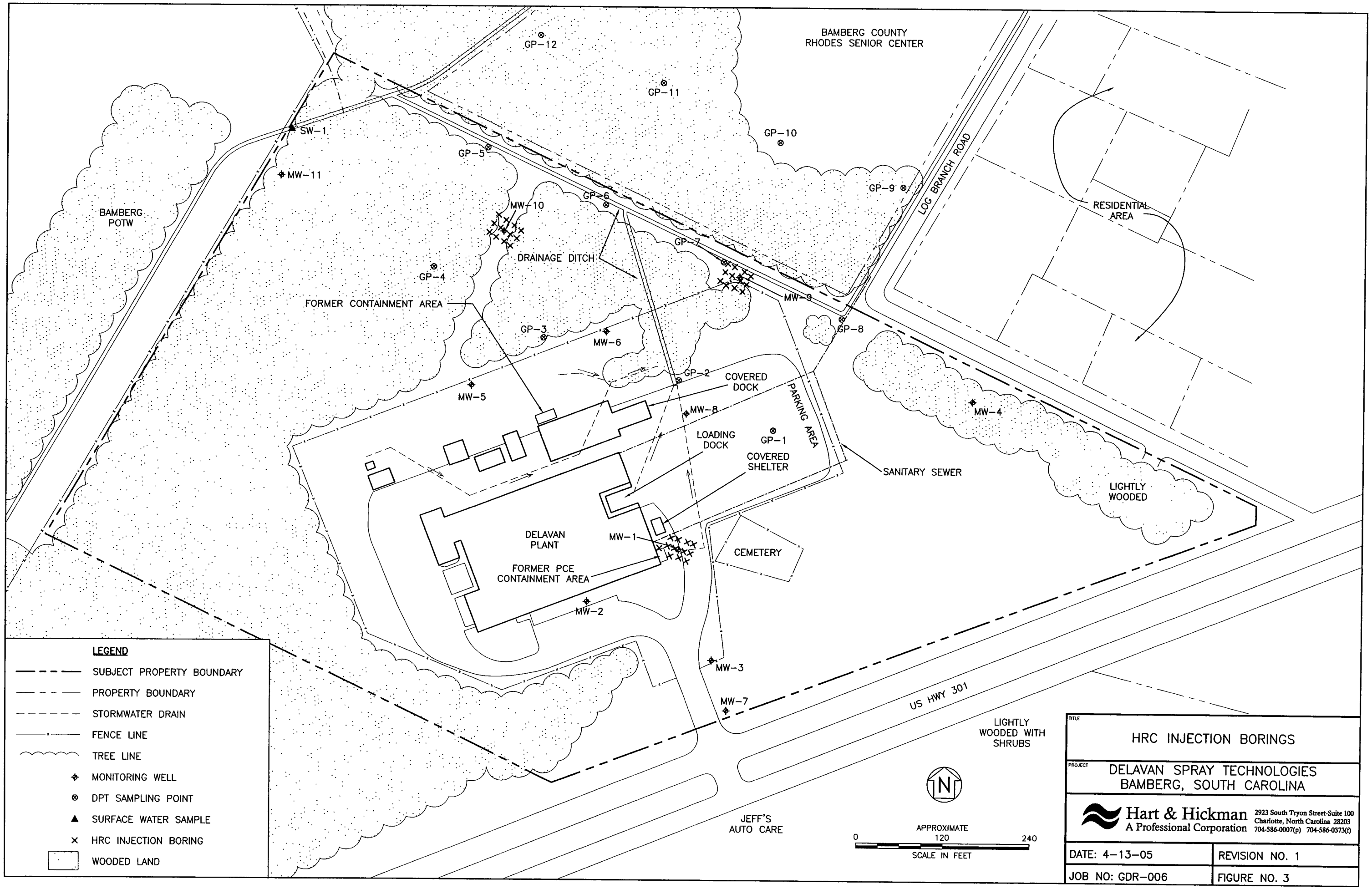
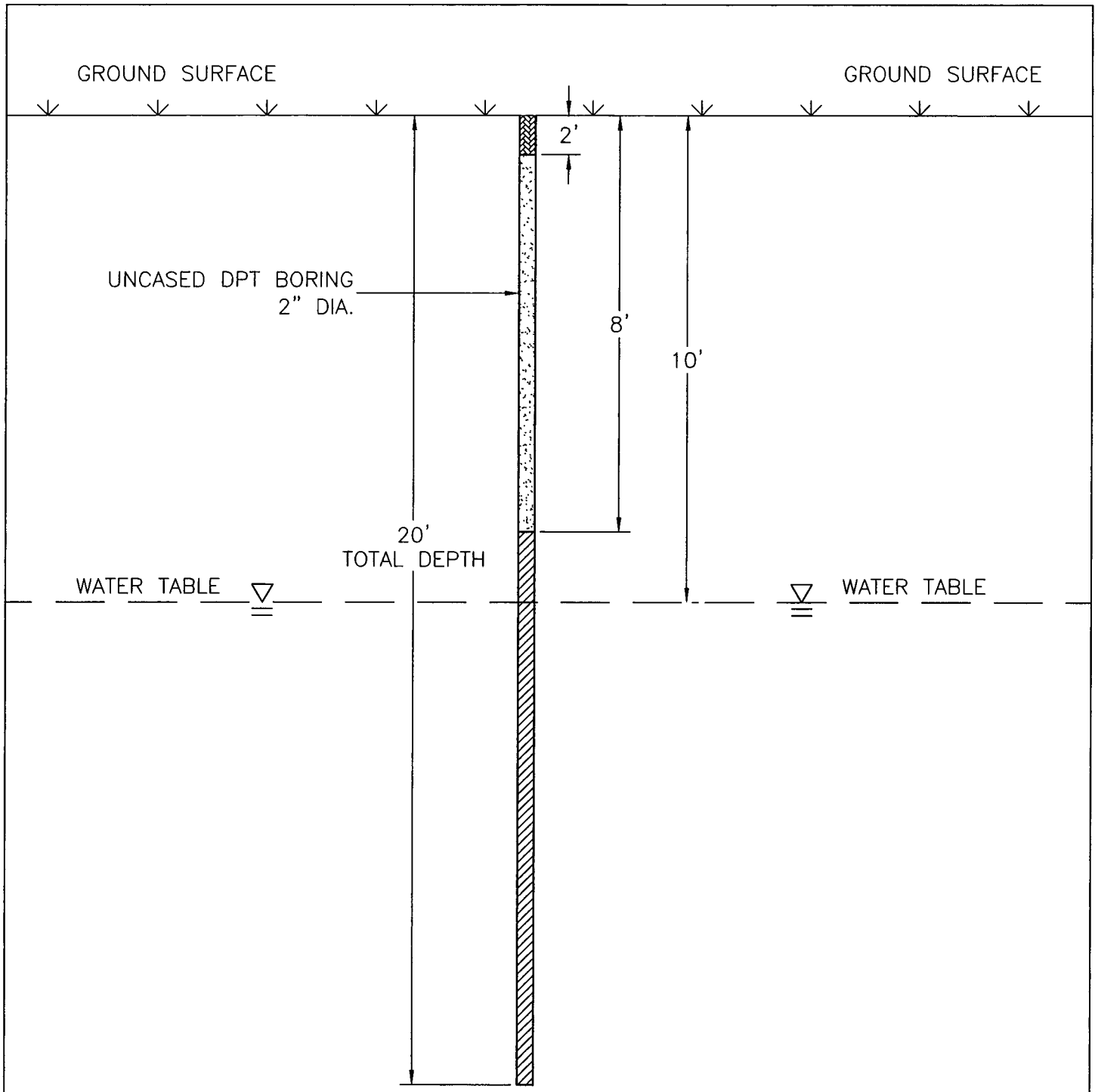
GP-9
[1.9]
LOG BRANCH ROAD
RESIDENTIAL
AREA
GP-8
[3.4]
GP-2
[12]
COVERED
DOCK
PARKING AREA
MW-8
[30]
LOADING
DOCK
GP-1
[350]
COVERED
SHELTER
MW-4
[<2]
LIGHTLY
WOODED
DELAVAN
PLANT
FORMER PCE
CONTAINMENT AREA
MW-1
[11,000]
CEMETERY
MW-2
[4.5]
MW-3
[220]
MW-7
[<2]
US HWY 301
LIGHTLY
WOODED WITH
SHRUBS
JEFF'S
AUTO CARE
5
50
500
5,000
LEGEND
SUBJECT PROPERTY BOUNDARY
PROPERTY BOUNDARY
STORMWATER DRAIN
FENCE LINE
TREE LINE
MONITORING WELL
DPT SAMPLING POINT
SURFACE WATER SAMPLE
ESTIMATED PCE ISOCONCENTRATION (µg/l)
WOODED LAND
Note – Concentrations expressed as µg/l
Monitoring wells samples collected on 12/31/03
Geoprobe ground water samples collected 2/10/04
N
APPROXIMATE
0
120
240
SCALE IN FEET
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


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
MW-9
MW-8
MW-7
MW-6
MW-5
MW-4
MW-3
MW-2
MW-1
BAMBERG
POTW
DRAINAGE DITCH
FORMER CONTAINMENT AREA
COVERED
DOCK
LOADING
DOCK
COVERED
SHELTER
PARKING AREA
SANITARY SEWER
DELAVAN
PLANT
FORMER PCE
CONTAINMENT AREA
CEMETERY
LOG BRANCH ROAD
RESIDENTIAL
AREA
LIGHTLY
WOODED
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
DPT SAMPLING POINT
SURFACE WATER SAMPLE
HRC INJECTION BORING
WOODED LAND
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

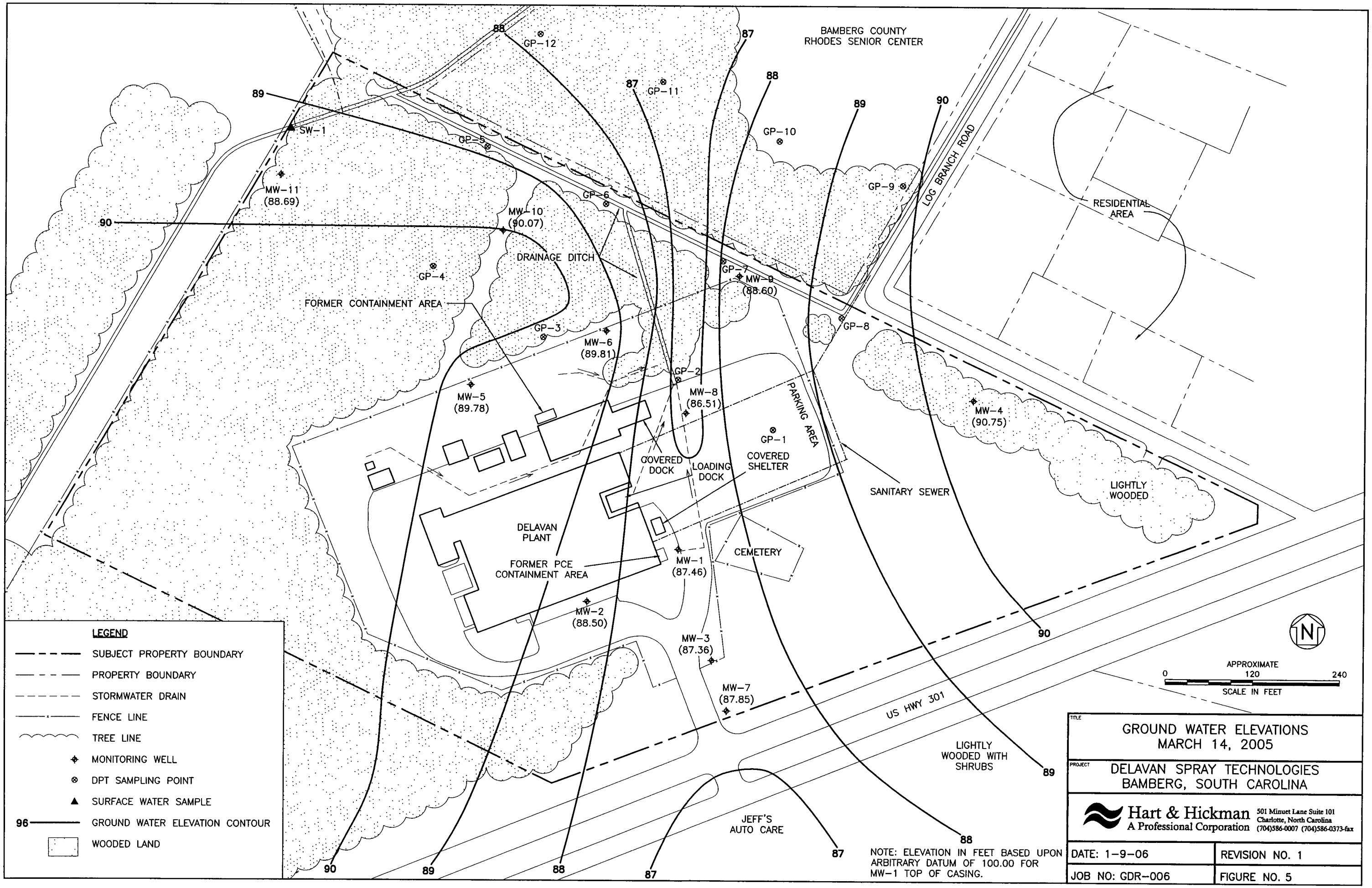


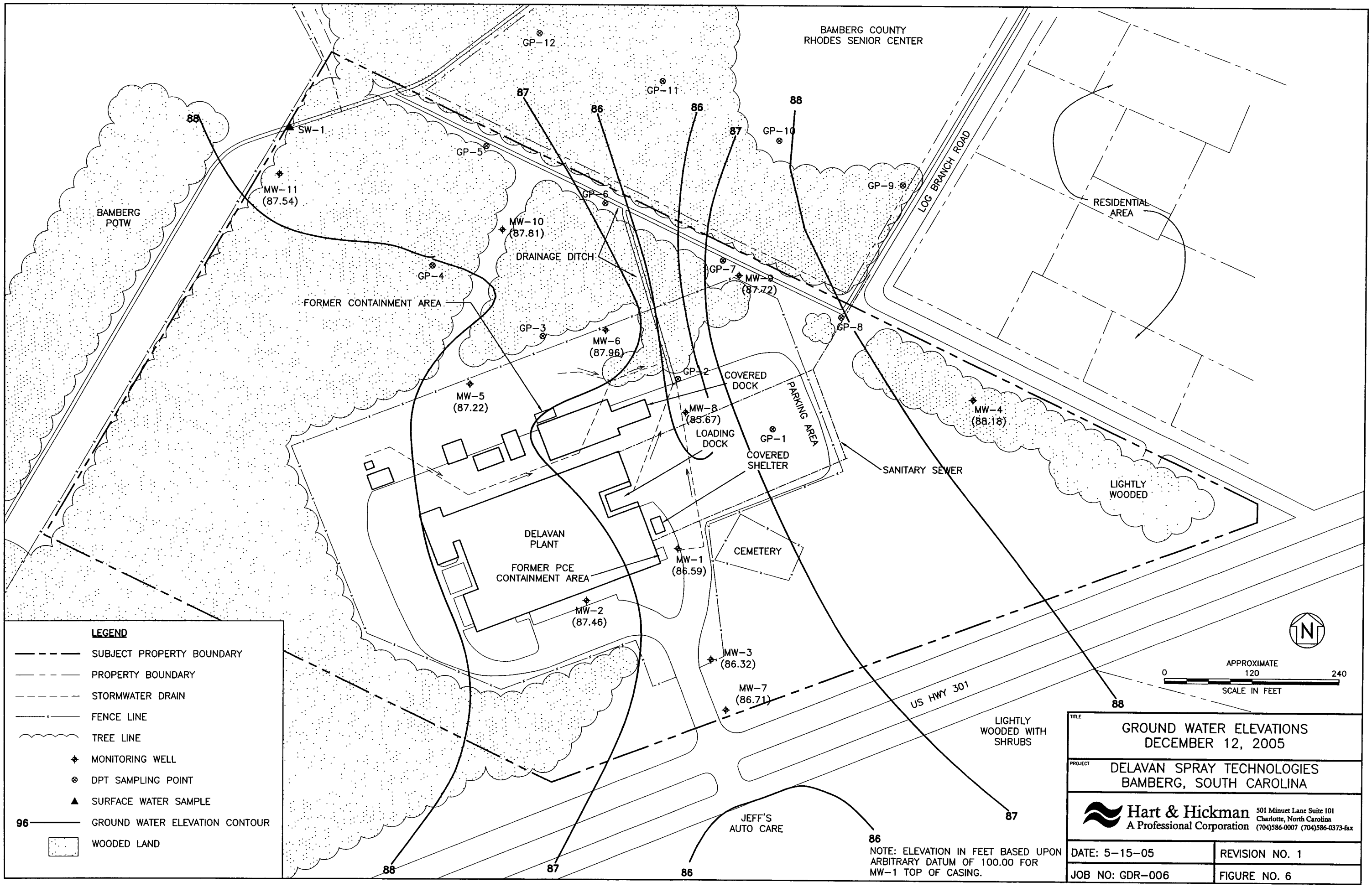
NOTE: DPT=DIRECT PUSH TECHNOLOGY

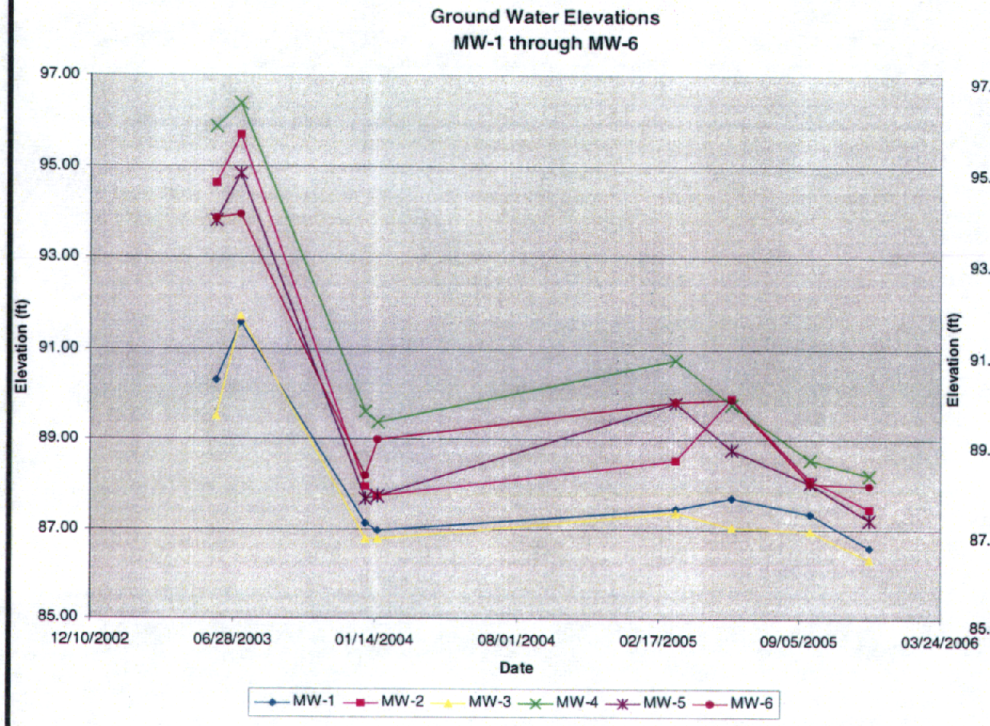
LEGEND

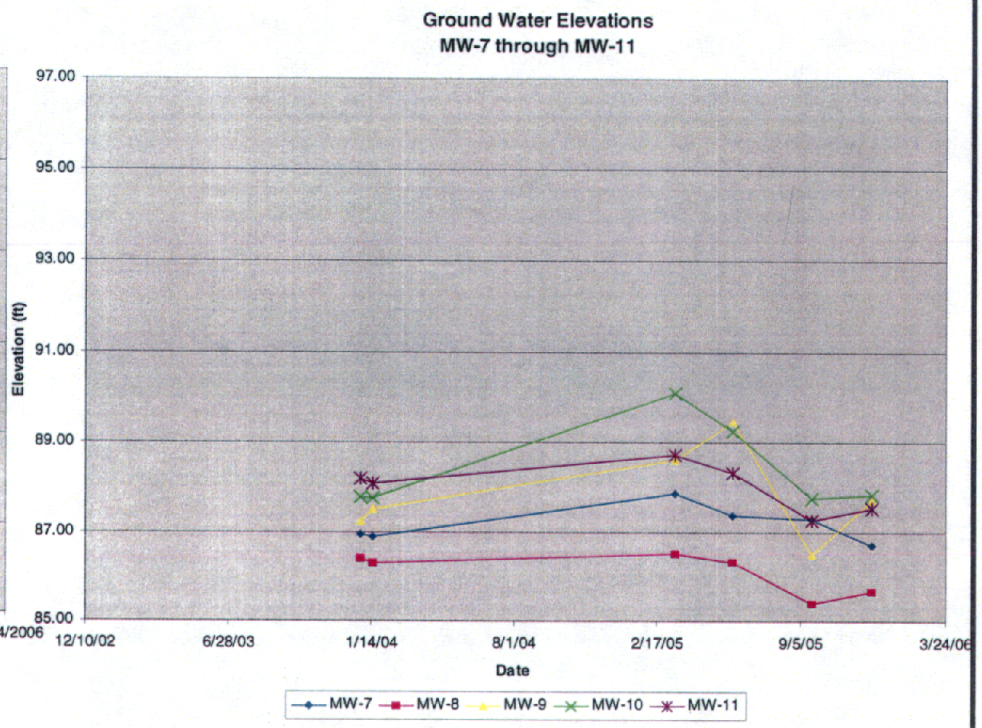
- WATER TABLE
- HRC INJECTION INTERVAL
- BACKFILL
- BENTONITE

TITLE: TYPICAL HRC INJECTION BORING	
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: 4-13-05	REVISION NO. 0
JOB NO: GDR-006	FIGURE NO. 4


BAMBERG COUNTY
RHODES SENIOR CENTER
LOG BRANCH ROAD
RESIDENTIAL AREA
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 (88.69)
MW-10 (90.07)
MW-9 (88.60)
MW-8 (86.51)
MW-7 (87.85)
MW-6 (89.81)
MW-5 (89.78)
MW-4 (90.75)
MW-3 (87.36)
MW-2 (88.50)
MW-1 (87.46)
DRAINAGE DITCH
FORMER CONTAINMENT AREA
PARKING AREA
COVERED DOCK
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
87
88
89
90
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 14, 2005
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. 5


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
(87.54)
MW-10
(87.81)
MW-9
(87.72)
MW-6
(87.96)
MW-5
(87.22)
MW-8
(85.67)
MW-4
(88.18)
MW-1
(86.59)
MW-2
(87.46)
MW-3
(86.32)
MW-7
(86.71)
BAMBERG
POTW
LOG BRANCH ROAD
RESIDENTIAL
AREA
DRAINAGE DITCH
FORMER CONTAINMENT AREA
COVERED
DOCK
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
88
87
86
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
DECEMBER 12, 2005
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: 5-15-05
REVISION NO. 1
JOB NO: GDR-006
FIGURE NO. 6



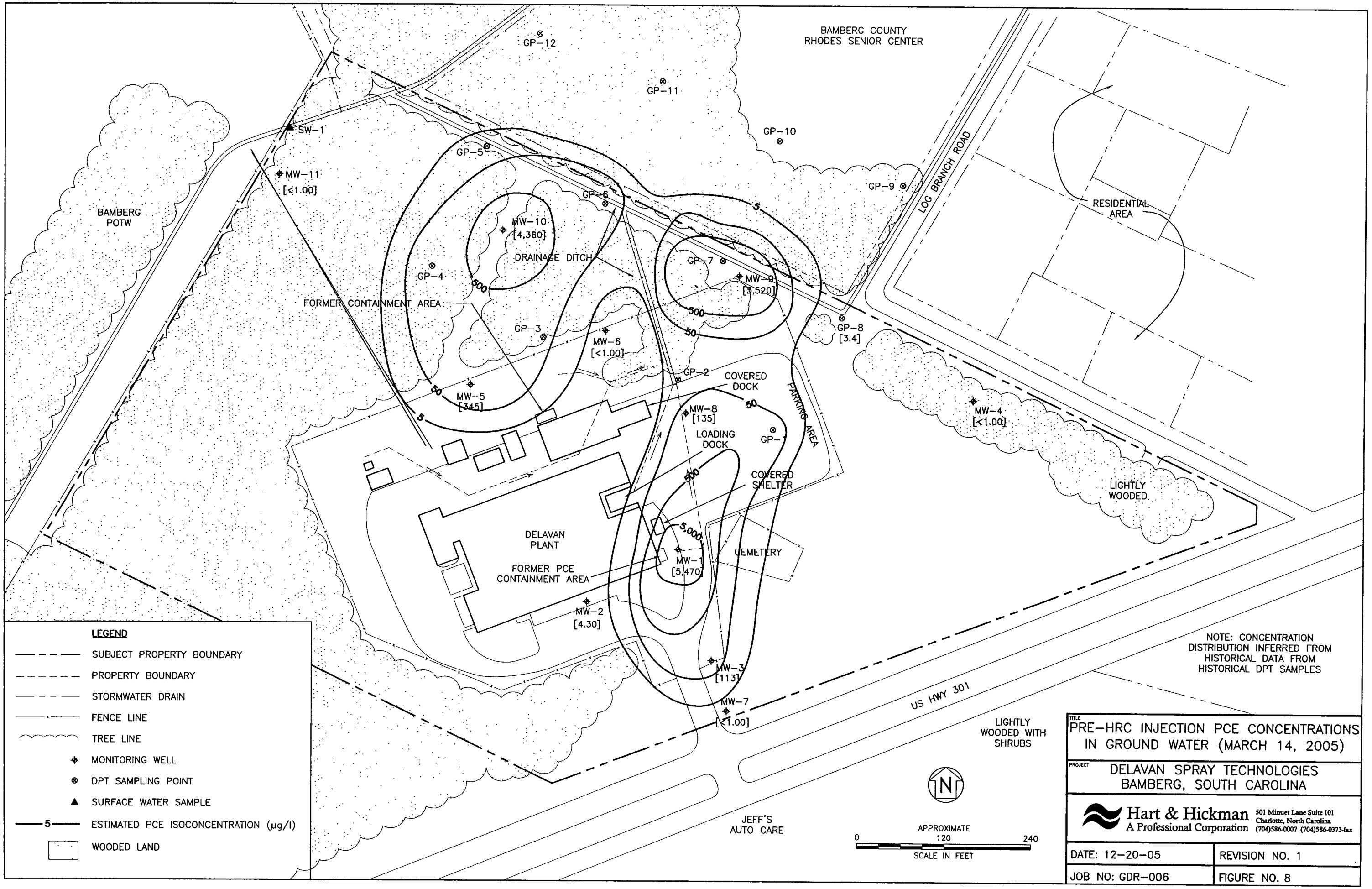


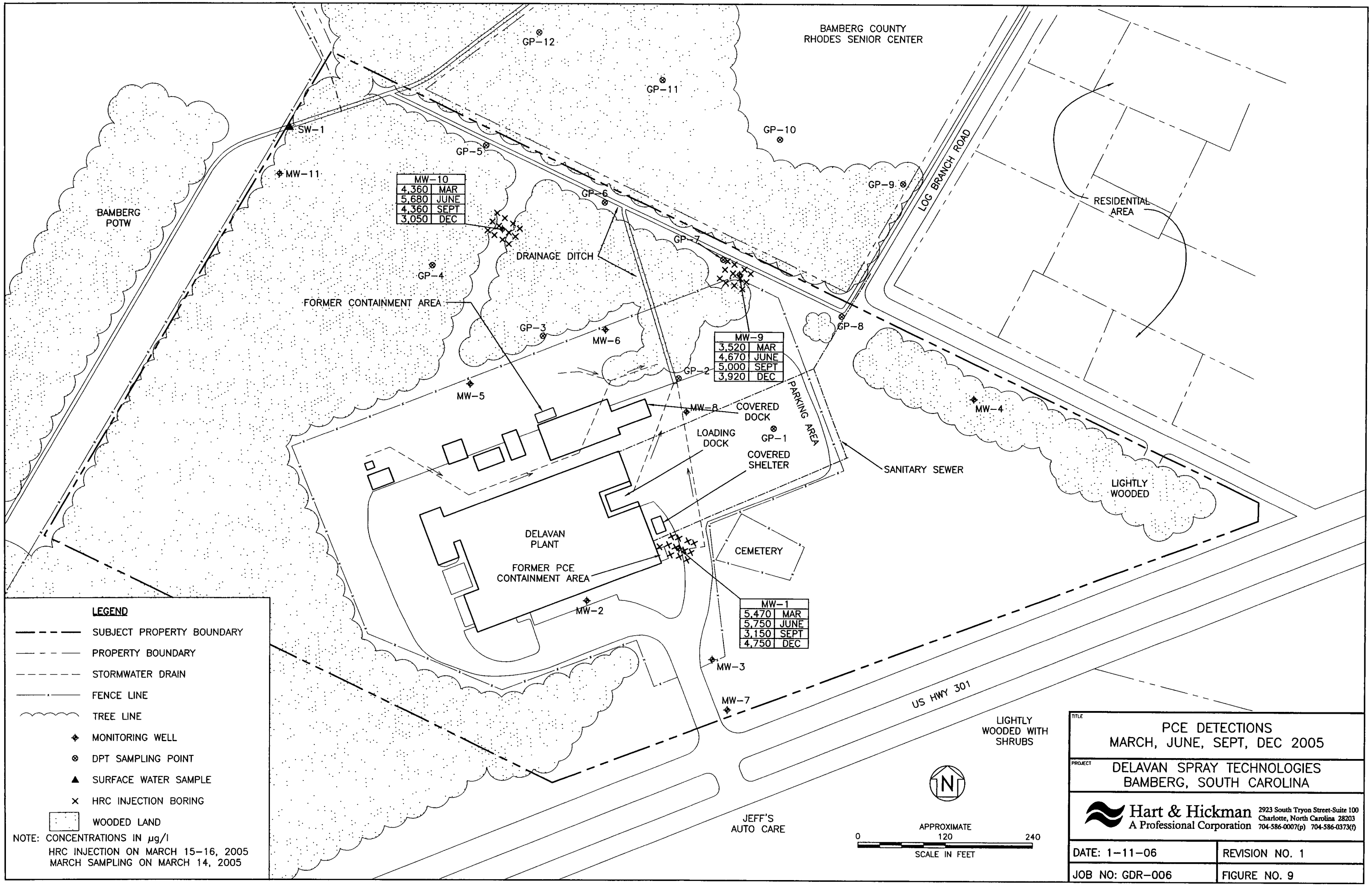
Elevation based on arbitrary elevation of 100.00 ft for MW-1 top of casing

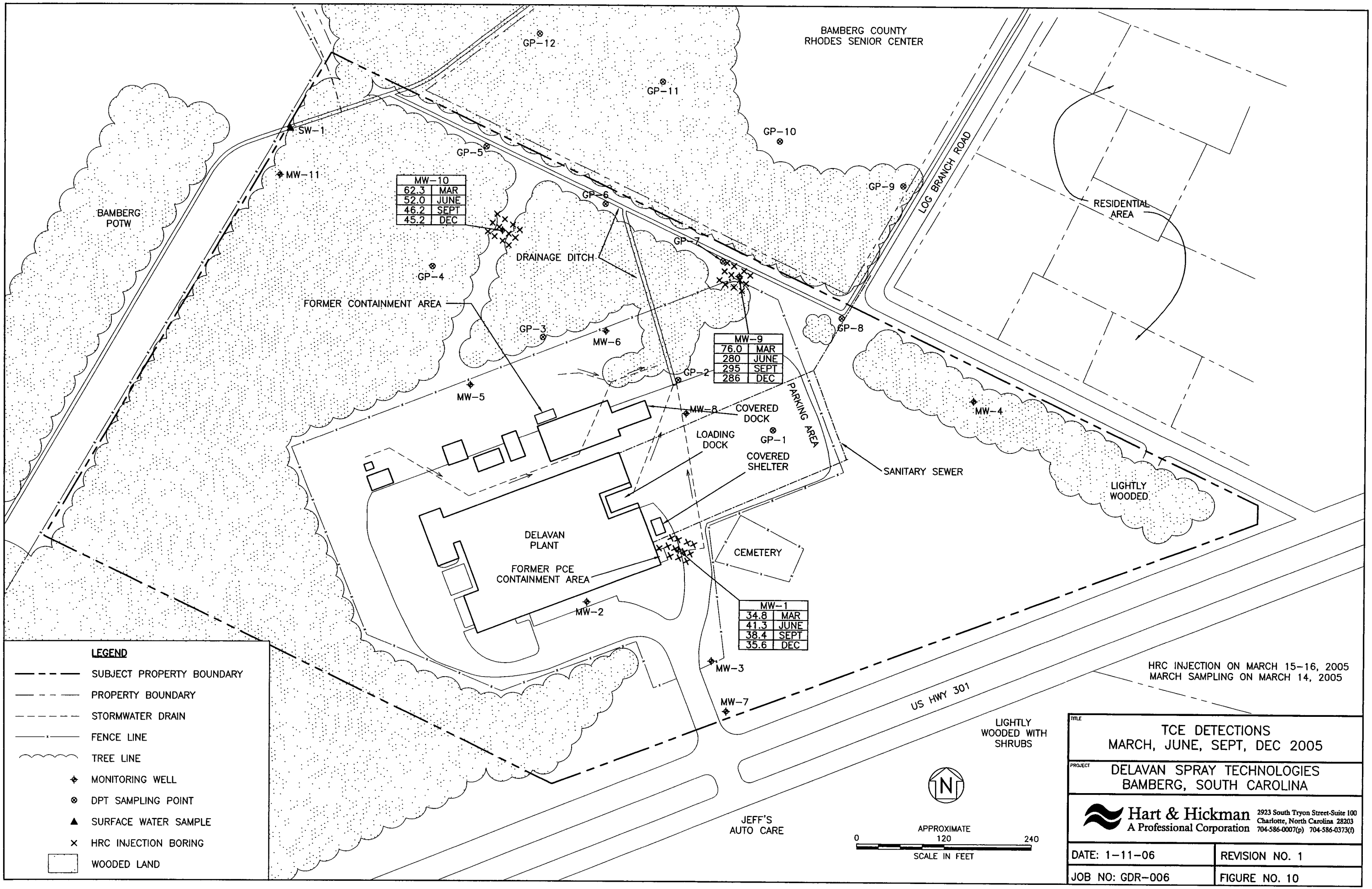
TITLE	GROUND WATER ELEVATION HYDROGRAPHS
PROJECT	DELAVAN SPRAY TECHNOLOGIES BAMBERG, SOUTH CAROLINA

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

DATE:	12-22-05	REVISION NO:	0
JOB NO:	GDR-006	FIGURE NO:	7


BAMBERG COUNTY
RHODES SENIOR CENTER
GP-12
GP-11
GP-10
GP-9
GP-5
GP-6
GP-7
GP-4
GP-3
GP-2
GP-8
[3.4]
GP-1
SW-1
MW-11
[<1.00]
MW-10
[4,360]
MW-9
[3,520]
MW-6
[<1.00]
MW-5
[345]
MW-8
[135]
MW-4
[<1.00]
MW-1
[5,470]
MW-2
[4.30]
MW-3
[113]
MW-7
[<1.00]
BAMBERG
POTW
DRAINAGE DITCH
FORMER CONTAINMENT AREA
FORMER PCE
CONTAINMENT AREA
DELAVAN
PLANT
COVERED
DOCK
LOADING
DOCK
COVERED
SHELTER
PARKING AREA
CEMETERY
LOG BRANCH ROAD
RESIDENTIAL
AREA
LIGHTLY
WOODED
LIGHTLY
WOODED WITH
SHRUBS
US HWY 301
JEFF'S
AUTO CARE
5
50
500
5,000
LEGEND
SUBJECT PROPERTY BOUNDARY
PROPERTY BOUNDARY
STORMWATER DRAIN
FENCE LINE
TREE LINE
MONITORING WELL
DPT SAMPLING POINT
SURFACE WATER SAMPLE
ESTIMATED PCE ISOCONCENTRATION (µg/l)
WOODED LAND
N
APPROXIMATE
0
120
240
SCALE IN FEET
NOTE: CONCENTRATION
DISTRIBUTION INFERRED FROM
HISTORICAL DATA FROM
HISTORICAL DPT SAMPLES
TITLE
PRE-HRC INJECTION PCE CONCENTRATIONS
IN GROUND WATER (MARCH 14, 2005)
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: 12-20-05
REVISION NO. 1
JOB NO: GDR-006
FIGURE NO. 8


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
4,360 MAR
5,680 JUNE
4,360 SEPT
3,050 DEC
BAMBERG
POTW
DRAINAGE DITCH
FORMER CONTAINMENT AREA
MW-6
MW-5
MW-9
3,520 MAR
4,670 JUNE
5,000 SEPT
3,920 DEC
MW-8
COVERED
DOCK
LOADING
DOCK
COVERED
SHELTER
PARKING AREA
SANITARY SEWER
LOG BRANCH ROAD
RESIDENTIAL
AREA
MW-4
LIGHTLY
WOODED
DELAVAN
PLANT
FORMER PCE
CONTAINMENT AREA
CEMETERY
MW-2
MW-1
5,470 MAR
5,750 JUNE
3,150 SEPT
4,750 DEC
MW-3
MW-7
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
DPT SAMPLING POINT
SURFACE WATER SAMPLE
HRC INJECTION BORING
WOODED LAND
NOTE: CONCENTRATIONS IN µg/l
HRC INJECTION ON MARCH 15-16, 2005
MARCH SAMPLING ON MARCH 14, 2005
TITLE
PCE DETECTIONS
MARCH, JUNE, SEPT, DEC 2005
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: 1-11-06
REVISION NO. 1
JOB NO: GDR-006
FIGURE NO. 9



TITLE
TCE DETECTIONS
MARCH, JUNE, SEPT, DEC 2005

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: 1-11-06	REVISION NO. 1
JOB NO: GDR-006	FIGURE NO. 10

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-6
MW-5
MW-8
MW-4
MW-2
MW-3
MW-7

MW-10	
40.1	MAR
40.8	JUNE
27.8	SEPT
23.2	DEC

MW-9	
19.1	MAR
226	JUNE
158	SEPT
182	DEC

MW-1	
10.1	MAR
10.1	JUNE
9.6	SEPT
11.4	DEC

BAMBERG POTW
DRAINAGE DITCH
FORMER CONTAINMENT AREA
LOG BRANCH ROAD
RESIDENTIAL AREA
PARKING AREA
COVERED DOCK
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

LEGEND

- SUBJECT PROPERTY BOUNDARY
- PROPERTY BOUNDARY
- STORMWATER DRAIN
- FENCE LINE
- TREE LINE
- MONITORING WELL
- DPT SAMPLING POINT
- SURFACE WATER SAMPLE
- HRC INJECTION BORING
- WOODED LAND

NOTE: CONCENTRATIONS IN $\mu g/l$
HRC INJECTION ON MARCH 15–16, 2005
MARCH SAMPLING ON MARCH 14, 2005

N

APPROXIMATE
0 120 240
SCALE IN FEET

TITLE
Cis–1,2 DCE DETECTIONS
MARCH, JUNE, SEPT, DEC 2005

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: 1–11–06	REVISION NO. 1
JOB NO: GDR–006	FIGURE NO. 11

Appendix A

UIC Permit No. 816

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

March 23, 2005

(BOW-GWMGMT)
Mr. Richard Kearse
Delavan Spray Technologies
PO Box 969
Bamberg, SC 29003

Re: Underground Injection Control Permit #816
Delavan Spray Technologies Site
Bamberg County

Dear Mr. Kearse:

Enclosed is a Permit to Operate for thirty-six (36) Class VA-I (Aquifer Remediation) injection wells at Delavan Spray Technologies Site, Bamberg County, SC.

Affected parties may appeal this permit decision in accordance with State Regulation R.61-72. To contest a case, a request for a hearing must be made to the Clerk of the DHEC Board within 30 days of the date of this letter. All requests must include the following information:

1) name of the party requesting the hearing,
2) issue(s) for which the hearing is requested,
3) caption or other information sufficient to identify the decision, order, action or inaction which is the subject of the hearing,
4) relief requested.

Note further that Administrative Law Court (ALC) Division rules require that persons requesting a contested case hearing must file a copy of the request and pay a filing fee in the amount of $250 dollars (US) with the ALC Division at the following address:

Clerk, ALC Division
1205 Pendleton Street, Suite 224
P.O. Box 11667
Columbia, SC 29211

If you have any question, please call Todd Adams at (803) 898-3549.

Sincerely,

Rob Devlin, Manager
GroundWater Management Section
Bureau of Water

cc: Jennifer Boynton, BoW
Michael Crouch, Hart & Hickman, 2923 S. Tryon St., Suite 100, Charlotte, NC 28203

Provisos to the Injection Well Operating Approval
for
Underground Injection Well Permit #816
Delavan Spray Technologies Site
Bamberg County, S.C.
March 23, 2005

1) Construction of new or abandonment of existing wells must be reported to the Department within thirty (30) days of completion.

2) Only hydrogen releasing compound (HRC) may be injected into the subsurface. Any changes in the system operation other than as presented in the UIC Permit Application must be reported to the Department prior to implementation.

Appendix B

Pre-HRC Injection Laboratory Analytical Data (March 2005)

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

RECEIVED
MAR 2005

3/24/05

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: GOODRICH-DELAVAN
Project Number: GDR-006.
Laboratory Project Number: 409289.

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. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample 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 accreditation.

Sample Identification	Lab Number	Collection Date
MW-2	05-A36198	3/14/05
MW-3	05-A36199	3/14/05
MW-4	05-A36200	3/14/05
MW-5	05-A36201	3/14/05
MW-6	05-A36202	3/14/05
MW-7	05-A36203	3/14/05
MW-8	05-A36204	3/14/05
MW-11	05-A36205	3/14/05
MW-1	05-A36206	3/14/05
MW-9	05-A36207	3/14/05
MW-10	05-A36208	3/14/05

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

Sample Identification	Lab Number	Collection Date

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 Report Date: 3/24/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A36198
Sample ID: MW-2
Sample Type: Water
Site ID:

Date Collected: 3/14/05
Time Collected: 17:35
Date Received: 3/15/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	602/601	3753
1,2-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	602/601	3753
1,3-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	602/601	3753
1,4-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	602/601	3753
Bromodichloromethane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Bromoform	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Bromomethane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Carbon tetrachloride	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Chloroethane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
2-Chloroethylvinylether	ND	ug/l	10.0	1	3/17/05	13:29	C.Johnson	601	3753
Chloroform	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Chloromethane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Dibromochloromethane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Ethylene Dibromide	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Vinyl chloride	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Dichlorodifluoromethane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
1,1-Dichloroethane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
1,2-Dichloroethane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
1,1-Dichloroethene	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
cis-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
1,2-Dichloropropane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

Laboratory Number: 05-A36198
Sample ID: MW-2
Project: GDR-006
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Methylene chloride	ND	ug/l	5.00	1	3/17/05	13:29	C.Johnson	601	3753
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Tetrachloroethene	4.30	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
1,1,1-Trichloroethane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
1,1,2-Trichloroethane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Trichloroethene	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753
Trichlorofluoromethane	ND	ug/l	1.00	1	3/17/05	13:29	C.Johnson	601	3753

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	110.	70. - 123.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A36199
Sample ID: MW-3
Sample Type: Water
Site ID:

Date Collected: 3/14/05
Time Collected: 17:55
Date Received: 3/15/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	602/601	3753
1,2-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	602/601	3753
1,3-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	602/601	3753
1,4-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	602/601	3753
Bromodichloromethane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Bromoform	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Bromomethane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Carbon tetrachloride	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Chloroethane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
2-Chloroethylvinylether	ND	ug/l	10.0	1	3/17/05	14:12	C.Johnson	601	3753
Chloroform	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Chloromethane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Dibromochloromethane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Ethylene Dibromide	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Vinyl chloride	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Dichlorodifluoromethane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
1,1-Dichloroethane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
1,2-Dichloroethane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
1,1-Dichloroethene	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
cis-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
1,2-Dichloropropane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A36199
Sample ID: MW-3
Project: GDR-006
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Methylene chloride	ND	ug/l	5.00	1	3/17/05	14:12	C.Johnson	601	3753
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Tetrachloroethene	113.	ug/l	10.0	10	3/18/05	6:32	C.Johnson	601	6628
1,1,1-Trichloroethane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
1,1,2-Trichloroethane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Trichloroethene	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753
Trichlorofluoromethane	ND	ug/l	1.00	1	3/17/05	14:12	C.Johnson	601	3753

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	111.	70. - 123.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A36200
Sample ID: MW-4
Sample Type: Water
Site ID:

Date Collected: 3/14/05
Time Collected: 15:15
Date Received: 3/15/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	602/601	3753
1,2-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	602/601	3753
1,3-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	602/601	3753
1,4-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	602/601	3753
Bromodichloromethane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Bromoform	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Bromomethane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Carbon tetrachloride	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Chloroethane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
2-Chloroethylvinylether	ND	ug/l	10.0	1	3/17/05	14:55	C.Johnson	601	3753
Chloroform	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Chloromethane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Dibromochloromethane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Ethylene Dibromide	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Vinyl chloride	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Dichlorodifluoromethane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
1,1-Dichloroethane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
1,2-Dichloroethane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
1,1-Dichloroethene	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
cis-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
1,2-Dichloropropane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A36200
Sample ID: MW-4
Project: GDR-006

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Methylene chloride	ND	ug/l	5.00	1	3/17/05	14:55	C.Johnson	601	3753
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Tetrachloroethene	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
1,1,1-Trichloroethane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
1,1,2-Trichloroethane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Trichloroethene	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753
Trichlorofluoromethane	ND	ug/l	1.00	1	3/17/05	14:55	C.Johnson	601	3753

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	110.	70. - 123.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A36201
Sample ID: MW-5
Sample Type: Water
Site ID:

Date Collected: 3/14/05
Time Collected: 16:30
Date Received: 3/15/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	602/601	3753
1,2-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	602/601	3753
1,3-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	602/601	3753
1,4-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	602/601	3753
Bromodichloromethane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Bromoform	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Bromomethane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Carbon tetrachloride	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Chloroethane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
2-Chloroethylvinylether	ND	ug/l	10.0	1	3/17/05	15:38	C.Johnson	601	3753
Chloroform	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Chloromethane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Dibromochloromethane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Ethylene Dibromide	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Vinyl chloride	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Dichlorodifluoromethane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
1,1-Dichloroethane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
1,2-Dichloroethane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
1,1-Dichloroethene	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
cis-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
1,2-Dichloropropane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A36201
Sample ID: MW-5
Project: GDR-006

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Methylene chloride	ND	ug/l	5.00	1	3/17/05	15:38	C.Johnson	601	3753
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Tetrachloroethene	345.	ug/l	10.0	10	3/18/05	7:15	C.Johnson	601	6628
1,1,1-Trichloroethane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
1,1,2-Trichloroethane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Trichloroethene	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753
Trichlorofluoromethane	ND	ug/l	1.00	1	3/17/05	15:38	C.Johnson	601	3753

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	110.	70. - 123.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A36202
Sample ID: MW-6
Sample Type: Water
Site ID:

Date Collected: 3/14/05
Time Collected: 17:00
Date Received: 3/15/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	602/601	3753
1,2-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	602/601	3753
1,3-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	602/601	3753
1,4-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	602/601	3753
Bromodichloromethane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Bromoform	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Bromomethane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Carbon tetrachloride	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Chloroethane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
2-Chloroethylvinylether	ND	ug/l	10.0	1	3/17/05	16:20	C.Johnson	601	3753
Chloroform	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Chloromethane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Dibromochloromethane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Ethylene Dibromide	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Vinyl chloride	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Dichlorodifluoromethane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
1,1-Dichloroethane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
1,2-Dichloroethane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
1,1-Dichloroethene	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
cis-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
1,2-Dichloropropane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A36202
Sample ID: MW-6
Project: GDR-006

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Methylene chloride	ND	ug/l	5.00	1	3/17/05	16:20	C.Johnson	601	3753
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Tetrachloroethene	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
1,1,1-Trichloroethane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
1,1,2-Trichloroethane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Trichloroethene	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753
Trichlorofluoromethane	ND	ug/l	1.00	1	3/17/05	16:20	C.Johnson	601	3753

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	109.	70. - 123.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A36203
Sample ID: MW-7
Sample Type: Water
Site ID:

Date Collected: 3/14/05
Time Collected: 18:20
Date Received: 3/15/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	602/601	3753
1,2-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	602/601	3753
1,3-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	602/601	3753
1,4-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	602/601	3753
Bromodichloromethane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Bromoform	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Bromomethane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Carbon tetrachloride	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Chloroethane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
2-Chloroethylvinylether	ND	ug/l	10.0	1	3/17/05	17:03	C.Johnson	601	3753
Chloroform	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Chloromethane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Dibromochloromethane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Ethylene Dibromide	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Vinyl chloride	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Dichlorodifluoromethane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
1,1-Dichloroethane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
1,2-Dichloroethane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
1,1-Dichloroethene	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
cis-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
1,2-Dichloropropane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A36203
Sample ID: MW-7
Project: GDR-006
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Methylene chloride	ND	ug/l	5.00	1	3/17/05	17:03	C.Johnson	601	3753
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Tetrachloroethene	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
1,1,1-Trichloroethane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
1,1,2-Trichloroethane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Trichloroethene	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753
Trichlorofluoromethane	ND	ug/l	1.00	1	3/17/05	17:03	C.Johnson	601	3753

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	109.	70. - 123.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A36204
Sample ID: MW-8
Sample Type: Water
Site ID:

Date Collected: 3/14/05
Time Collected: 17:15
Date Received: 3/15/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	602/601	3753
1,2-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	602/601	3753
1,3-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	602/601	3753
1,4-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	602/601	3753
Bromodichloromethane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Bromoform	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Bromomethane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Carbon tetrachloride	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Chloroethane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
2-Chloroethylvinylether	ND	ug/l	10.0	1	3/17/05	17:46	C.Johnson	601	3753
Chloroform	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Chloromethane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Dibromochloromethane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Ethylene Dibromide	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Vinyl chloride	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Dichlorodifluoromethane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
1,1-Dichloroethane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
1,2-Dichloroethane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
1,1-Dichloroethene	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
cis-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
1,2-Dichloropropane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A36204
Sample ID: MW-8
Project: GDR-006

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Methylene chloride	ND	ug/l	5.00	1	3/17/05	17:46	C.Johnson	601	3753
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Tetrachloroethene	135.	ug/l	10.0	10	3/18/05	14:52	C.Johnson	601	6634
1,1,1-Trichloroethane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
1,1,2-Trichloroethane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Trichloroethene	1.10	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753
Trichlorofluoromethane	ND	ug/l	1.00	1	3/17/05	17:46	C.Johnson	601	3753

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	109.	70. - 123.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A36205
Sample ID: MW-11
Sample Type: Water
Site ID:

Date Collected: 3/14/05
Time Collected: 12:55
Date Received: 3/15/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	602/601	3753
1,2-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	602/601	3753
1,3-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	602/601	3753
1,4-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	602/601	3753
Bromodichloromethane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Bromoform	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Bromomethane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Carbon tetrachloride	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Chloroethane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
2-Chloroethylvinylether	ND	ug/l	10.0	1	3/17/05	18:28	C.Johnson	601	3753
Chloroform	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Chloromethane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Dibromochloromethane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Ethylene Dibromide	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Vinyl chloride	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Dichlorodifluoromethane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
1,1-Dichloroethane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
1,2-Dichloroethane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
1,1-Dichloroethene	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
cis-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
1,2-Dichloropropane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A36205
Sample ID: MW-11
Project: GDR-006

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Methylene chloride	ND	ug/l	5.00	1	3/17/05	18:28	C.Johnson	601	3753
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Tetrachloroethene	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
1,1,1-Trichloroethane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
1,1,2-Trichloroethane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Trichloroethene	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753
Trichlorofluoromethane	ND	ug/l	1.00	1	3/17/05	18:28	C.Johnson	601	3753

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	109.	70. - 123.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A36206
Sample ID: MW-1
Sample Type: Water
Site ID:

Date Collected: 3/14/05
Time Collected: 16:00
Date Received: 3/15/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	1.90	ug/l	1.00	1	3/17/05	19:11	C.Johnson	602/601	3753
1,2-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	602/601	3753
1,3-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	602/601	3753
1,4-Dichlorobenzene	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	602/601	3753
Bromodichloromethane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Bromoform	1.10	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Bromomethane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Carbon tetrachloride	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Chloroethane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
2-Chloroethylvinylether	ND	ug/l	10.0	1	3/17/05	19:11	C.Johnson	601	3753
Chloroform	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Chloromethane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Dibromochloromethane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Ethylene Dibromide	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Vinyl chloride	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Dichlorodifluoromethane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
1,1-Dichloroethane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
1,2-Dichloroethane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
1,1-Dichloroethene	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
cis-1,2-Dichloroethene	10.1	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
1,2-Dichloropropane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A36206
Sample ID: MW-1
Project: GDR-006

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Methylene chloride	ND	ug/l	5.00	1	3/17/05	19:11	C.Johnson	601	3753
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Tetrachloroethene	5470	ug/l	100.	100	3/18/05	15:34	C.Johnson	601	6634
1,1,1-Trichloroethane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
1,1,2-Trichloroethane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Trichloroethene	34.8	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
Trichlorofluoromethane	ND	ug/l	1.00	1	3/17/05	19:11	C.Johnson	601	3753
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1	3/23/05	11:36	K. Roberso	8015BM	1914
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	1.28	mg/l	0.100	1	3/15/05	17:55	W. Choate	353.2	861
Sulfate	ND	mg/l	1.00	1	3/15/05	11:44	G. Baun	300	660
Total Organic Carbon	ND	mg/l	1.00	1	3/16/05	11:37	S. Prayter	415.1	1472
Chloride	8.41	mg/l	1.00	1	3/15/05	19:38	W. Choate	325.2	1181

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	111.	70. - 123.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A36207
Sample ID: MW-9
Sample Type: Water
Site ID:

Date Collected: 3/14/05
Time Collected: 14:35
Date Received: 3/15/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	602/601	6628
1,2-Dichlorobenzene	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	602/601	6628
1,3-Dichlorobenzene	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	602/601	6628
1,4-Dichlorobenzene	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	602/601	6628
Bromodichloromethane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
Bromoform	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
Bromomethane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
Carbon tetrachloride	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
Chloroethane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
2-Chloroethylvinylether	ND	ug/l	10.0	1	3/18/05	3:42	C.Johnson	601	6628
Chloroform	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
Chloromethane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
Dibromochloromethane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
Ethylene Dibromide	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
Vinyl chloride	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
Dichlorodifluoromethane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
1,1-Dichloroethane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
1,2-Dichloroethane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
1,1-Dichloroethene	7.30	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
cis-1,2-Dichloroethene	19.1	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
1,2-Dichloropropane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A36207
Sample ID: MW-9
Project: GDR-006

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
Methylene chloride	ND	ug/l	5.00	1	3/18/05	3:42	C.Johnson	601	6628
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
Tetrachloroethene	3520	ug/l	100.	100	3/18/05	17:00	C.Johnson	601	6643
1,1,1-Trichloroethane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
1,1,2-Trichloroethane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
Trichloroethene	76.0	ug/l	10.0	10	3/18/05	16:17	C.Johnson	601	6634
Trichlorofluoromethane	ND	ug/l	1.00	1	3/18/05	3:42	C.Johnson	601	6628
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1	3/23/05	11:40	K. Roberso	8015BM	1914
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.410	mg/l	0.100	1	3/15/05	17:55	W. Choate	353.2	861
Sulfate	3.03	mg/l	1.00	1	3/15/05	11:44	G. Baun	300	660
Total Organic Carbon	ND	mg/l	1.00	1	3/16/05	11:37	S. Prayter	415.1	1472
Chloride	4.20	mg/l	1.00	1	3/15/05	19:39	W. Choate	325.2	1181

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	114.	70. - 123.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A36208
Sample ID: MW-10
Sample Type: Water
Site ID:

Date Collected: 3/14/05
Time Collected: 13:30
Date Received: 3/15/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	1.30	ug/l	1.00	1	3/18/05	4:25	C.Johnson	602/601	6628
1,2-Dichlorobenzene	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	602/601	6628
1,3-Dichlorobenzene	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	602/601	6628
1,4-Dichlorobenzene	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	602/601	6628
Bromodichloromethane	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Bromoform	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Bromomethane	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Carbon tetrachloride	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Chloroethane	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
2-Chloroethylvinylether	ND	ug/l	10.0	1	3/18/05	4:25	C.Johnson	601	6628
Chloroform	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Chloromethane	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Dibromochloromethane	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Ethylene Dibromide	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Vinyl chloride	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Dichlorodifluoromethane	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
1,1-Dichloroethane	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
1,2-Dichloroethane	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
1,1-Dichloroethene	18.6	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
cis-1,2-Dichloroethene	40.1	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
trans-1,2-Dichloroethene	1.00	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
1,2-Dichloropropane	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A36208
Sample ID: MW-10
Project: GDR-006

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Methylene chloride	ND	ug/l	5.00	1	3/18/05	4:25	C.Johnson	601	6628
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Tetrachloroethene	4360	ug/l	100.	100	3/18/05	17:42	C.Johnson	601	6634
1,1,1-Trichloroethane	26.4	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
1,1,2-Trichloroethane	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Trichloroethene	62.3	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
Trichlorofluoromethane	ND	ug/l	1.00	1	3/18/05	4:25	C.Johnson	601	6628
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/L	26.	1	3/23/05	11:43	K. Roberso	8015BM	1914
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.200	mg/l	0.100	1	3/15/05	18:09	W. Choate	353.2	861
Sulfate	ND	mg/l	1.00	1	3/15/05	11:44	G. Baun	300	660
Total Organic Carbon	ND	mg/l	1.00	1	3/16/05	11:37	S. Prayter	415.1	1472
Chloride	4.54	mg/l	1.00	1	3/15/05	19:39	W. Choate	325.2	1181

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	112.	70. - 123.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: GDR-006
Project Name: GOODRICH-DELAVAN
Page: 1
Laboratory Receipt Date: 3/15/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Chlorobenzene	mg/l	< 0.00100	0.0273	0.0200	136#	55 - 135	3753	05-A35821
Chlorobenzene	mg/l	< 0.00100	0.0275	0.0200	138#	55 - 135	6628	blank
1,2-Dichlorobenzene	mg/l	< 0.00100	0.0233	0.0200	116	37 - 154	3753	05-A35821
1,2-Dichlorobenzene	mg/l	< 0.00100	0.0233	0.0200	116	37 - 154	6628	blank
1,3-Dichlorobenzene	mg/l	< 0.00100	0.0204	0.0200	102	50 - 141	3753	05-A35821
1,3-Dichlorobenzene	mg/l	< 0.00100	0.0205	0.0200	102	50 - 141	6628	blank
1,4-Dichlorobenzene	mg/l	< 0.00100	0.0266	0.0200	133	42 - 143	3753	05-A35821
1,4-Dichlorobenzene	mg/l	< 0.00100	0.0237	0.0200	118	42 - 143	6628	blank
Bromodichloromethane	mg/l	< 0.00100	0.0257	0.0200	128	42 - 172	3753	05-A35821
Bromodichloromethane	mg/l	< 0.00100	0.0237	0.0200	118	42 - 172	6628	blank
Bromoform	mg/l	< 0.00100	0.0225	0.0200	112	13 - 159	3753	05-A35821
Bromoform	mg/l	< 0.00100	0.0201	0.0200	100	13 - 159	6628	blank
Bromomethane	mg/l	< 0.00100	0.0199	0.0200	100	1 - 144	3753	05-A35821
Bromomethane	mg/l	< 0.00100	0.0177	0.0200	88	1 - 144	6628	blank
Carbon tetrachloride	mg/l	< 0.00100	0.0251	0.0200	126	43 - 143	3753	05-A35821
Carbon tetrachloride	mg/l	< 0.00100	0.0230	0.0200	115	43 - 143	6628	blank
Chloroethane	mg/l	< 0.00100	0.0313	0.0200	156#	46 - 137	3753	05-A35821
Chloroethane	mg/l	< 0.00100	0.0230	0.0200	115	46 - 137	6628	blank
2-Chloroethylvinylether	mg/l	< 0.0100	< 0.0100	0.0200	N/A	14 - 186	3753	05-A35821
2-Chloroethylvinylether	mg/l	< 0.0100	< 0.0100	0.0200	N/A	14 - 186	6628	blank
Chloroform	mg/l	< 0.00100	0.0241	0.0200	120	49 - 133	3753	05-A35821
Chloroform	mg/l	< 0.00100	0.0228	0.0200	114	49 - 133	6628	blank
Chloromethane	mg/l	< 0.00100	0.0295	0.0200	148	1 - 193	3753	05-A35821
Chloromethane	mg/l	< 0.00100	0.0229	0.0200	114	1 - 193	6628	blank
Dibromochloromethane	mg/l	< 0.00100	0.0248	0.0200	124	24 - 191	3753	05-A35821
Dibromochloromethane	mg/l	< 0.00100	0.0251	0.0200	126	24 - 191	6628	blank

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: GDR-006
Project Name: GOODRICH-DELAVAN
Page: 2
Laboratory Receipt Date: 3/15/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
Ethylene Dibromide	mg/l	< 0.00100	0.0256	0.0200	128	59 - 144	3753	05-A35821
Ethylene Dibromide	mg/l	< 0.00100	0.0251	0.0200	126	59 - 144	6628	blank
Vinyl chloride	mg/l	< 0.00100	0.0259	0.0200	130	28 - 163	3753	05-A35821
Vinyl chloride	mg/l	< 0.00100	0.0219	0.0200	110	28 - 163	6628	blank
Dichlorodifluoromethane	mg/l	< 0.00100	0.0203	0.0200	102	15 - 177	3753	05-A35821
Dichlorodifluoromethane	mg/l	< 0.00100	0.0165	0.0200	82	15 - 177	6628	blank
1,1-Dichloroethane	mg/l	< 0.00100	0.0224	0.0200	112	47 - 132	3753	05-A35821
1,1-Dichloroethane	mg/l	< 0.00100	0.0204	0.0200	102	47 - 132	6628	blank
1,2-Dichloroethane	mg/l	< 0.00100	0.0222	0.0200	111	51 - 147	3753	05-A35821
1,2-Dichloroethane	mg/l	< 0.00100	0.0202	0.0200	101	51 - 147	6628	blank
1,1-Dichloroethene	mg/l	< 0.00100	0.0250	0.0200	125	28 - 167	3753	05-A35821
1,1-Dichloroethene	mg/l	< 0.00100	0.0223	0.0200	112	28 - 167	6628	blank
cis-1,2-Dichloroethene	mg/l	< 0.00100	0.0237	0.0200	118	53 - 153	3753	05-A35821
cis-1,2-Dichloroethene	mg/l	< 0.00100	0.0229	0.0200	114	53 - 153	6628	blank
trans-1,2-Dichloroethene	mg/l	< 0.00100	0.0236	0.0200	118	38 - 155	3753	05-A35821
trans-1,2-Dichloroethene	mg/l	< 0.00100	0.0215	0.0200	108	38 - 155	6628	blank
1,2-Dichloropropane	mg/l	< 0.00100	0.0231	0.0200	116	44 - 156	3753	05-A35821
1,2-Dichloropropane	mg/l	< 0.00100	0.0232	0.0200	116	44 - 156	6628	blank
cis-1,3-Dichloropropene	mg/l	< 0.00100	0.0228	0.0200	114	22 - 178	3753	05-A35821
cis-1,3-Dichloropropene	mg/l	< 0.00100	0.0196	0.0200	98	22 - 178	6628	blank
trans-1,3-Dichloropropene	mg/l	< 0.00100	0.0200	0.0200	100	22 - 178	3753	05-A35821
trans-1,3-Dichloropropene	mg/l	< 0.00100	0.0178	0.0200	89	22 - 178	6628	blank
Methylene chloride	mg/l	< 0.00500	0.0248	0.0200	124	25 - 162	3753	05-A35821
Methylene chloride	mg/l	< 0.00500	0.0283	0.0200	142	25 - 162	6628	blank
1,1,2,2-Tetrachloroethane	mg/l	< 0.00100	0.0219	0.0200	110	8 - 184	3753	05-A35821
1,1,2,2-Tetrachloroethane	mg/l	< 0.00100	0.0221	0.0200	110	8 - 184	6628	blank
Tetrachloroethene	mg/l	< 0.00100	0.0425	0.0200	212#	26 - 162	3753	05-A35821
Tetrachloroethene	mg/l	< 0.00100	0.0270	0.0200	135	26 - 162	6628	blank
1,1,1-Trichloroethane	mg/l	< 0.00100	0.0257	0.0200	128	41 - 138	3753	05-A35821
1,1,1-Trichloroethane	mg/l	< 0.00100	0.0231	0.0200	116	41 - 138	6628	blank

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Laboratory Receipt Date: 3/15/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Samp
1,1,2-Trichloroethane	mg/l	< 0.00100	0.0251	0.0200	126	39 - 136	3753	05-A35821
1,1,2-Trichloroethane	mg/l	< 0.00100	0.0247	0.0200	124	39 - 136	6628	blank
Trichloroethene	mg/l	< 0.00100	0.0236	0.0200	118	35 - 146	3753	05-A35821
Trichloroethene	mg/l	< 0.00100	0.0231	0.0200	116	35 - 146	6628	blank
Trichlorofluoromethane	mg/l	< 0.00100	0.0237	0.0200	118	21 - 156	3753	05-A35821
Trichlorofluoromethane	mg/l	< 0.00100	0.0191	0.0200	96	21 - 156	6628	blank
MISC PARAMETERS								
Nitrate-N as N	mg/l	0.200	6.17	6.00	100	90. - 110.	861	05-A36208
Nitrate-N as N	mg/l	0.200	6.18	6.00	100	90. - 110.	861	05-A36208
Sulfate	mg/l	1.33	16.3	15.0	100	80. - 120.	660	05-A36280
Chloride	mg/l	12.6	22.0	10.0	94	71. - 123.	1181	05-A36149
Methane	mg/L	1.19	2.61	1.33	107	62. - 132.	1914	05-A35747

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
MISC PARAMETERS						
Methane	mg/L	2.61	2.57	1.54	50	1914
Nitrate-N as N	mg/l	6.17	6.18	0.16	20	861
Sulfate	mg/l	16.3	16.3	0.00	20	660
Chloride	mg/l	22.0	21.9	0.46	20	1181

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Chlorobenzene	mg/l	0.0200	0.0256	128	55 - 135	3753
Chlorobenzene	mg/l	0.0200	0.0249	124	55 - 135	6628
1,2-Dichlorobenzene	mg/l	0.0200	0.0238	119	37 - 154	3753
1,2-Dichlorobenzene	mg/l	0.0200	0.0231	116	37 - 154	6628
1,3-Dichlorobenzene	mg/l	0.0200	0.0207	104	50 - 141	3753
1,3-Dichlorobenzene	mg/l	0.0200	0.0208	104	50 - 141	6628
1,4-Dichlorobenzene	mg/l	0.0200	0.0259	130	42 - 143	3753
1,4-Dichlorobenzene	mg/l	0.0200	0.0246	123	42 - 143	6628
Bromodichloromethane	mg/l	0.0200	0.0262	131	42 - 172	3753
Bromodichloromethane	mg/l	0.0200	0.0264	132	42 - 172	6628
Bromoform	mg/l	0.0200	0.0201	100	13 - 159	3753
Bromoform	mg/l	0.0200	0.0195	98	13 - 159	6628
Bromomethane	mg/l	0.0200	0.0200	100	1 - 144	3753
Bromomethane	mg/l	0.0200	0.0198	99	1 - 144	6628
Carbon tetrachloride	mg/l	0.0200	0.0253	126	43 - 143	3753
Carbon tetrachloride	mg/l	0.0200	0.0226	113	43 - 143	6628
Chloroethane	mg/l	0.0200	0.0244	122	46 - 137	3753
Chloroethane	mg/l	0.0200	0.0258	129	46 - 137	6628
2-Chloroethylvinylether	mg/l	0.0200	< 0.0100	N/A	14 - 186	3753
2-Chloroethylvinylether	mg/l	0.0200	< 0.0100	N/A	14 - 186	6628
Chloroform	mg/l	0.0200	0.0221	110	49 - 133	3753
Chloroform	mg/l	0.0200	0.0230	115	49 - 133	6628
Chloromethane	mg/l	0.0200	0.0242	121	1 - 193	3753
Chloromethane	mg/l	0.0200	0.0222	111	1 - 193	6628
Dibromochloromethane	mg/l	0.0200	0.0226	113	24 - 191	3753
Dibromochloromethane	mg/l	0.0200	0.0239	120	24 - 191	6628
Ethylene Dibromide	mg/l	0.0200	0.0238	119	69 - 138	3753

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Ethylene Dibromide	mg/l	0.0200	0.0236	118	69 - 138	6628
Vinyl chloride	mg/l	0.0200	0.0242	121	28 - 163	3753
Vinyl chloride	mg/l	0.0200	0.0240	120	28 - 163	6628
Dichlorodifluoromethane	mg/l	0.0200	0.0208	104	44 - 169	3753
Dichlorodifluoromethane	mg/l	0.0200	0.0180	90	44 - 169	6628
1,1-Dichloroethane	mg/l	0.0200	0.0222	111	47 - 132	3753
1,1-Dichloroethane	mg/l	0.0200	0.0218	109	47 - 132	6628
1,2-Dichloroethane	mg/l	0.0200	0.0218	109	51 - 147	3753
1,2-Dichloroethane	mg/l	0.0200	0.0214	107	51 - 147	6628
1,1-Dichloroethene	mg/l	0.0200	0.0231	116	28 - 167	3753
1,1-Dichloroethene	mg/l	0.0200	0.0233	116	28 - 167	6628
cis-1,2-Dichloroethene	mg/l	0.0200	0.0240	120	60 - 148	3753
cis-1,2-Dichloroethene	mg/l	0.0200	0.0224	112	60 - 148	6628
trans-1,2-Dichloroethene	mg/l	0.0200	0.0218	109	38 - 155	3753
trans-1,2-Dichloroethene	mg/l	0.0200	0.0215	108	38 - 155	6628
1,2-Dichloropropane	mg/l	0.0200	0.0235	118	44 - 156	3753
1,2-Dichloropropane	mg/l	0.0200	0.0243	122	44 - 156	6628
cis-1,3-Dichloropropene	mg/l	0.0200	0.0198	99	22 - 178	3753
cis-1,3-Dichloropropene	mg/l	0.0200	0.0198	99	22 - 178	6628
trans-1,3-Dichloropropene	mg/l	0.0200	0.0198	99	22 - 178	3753
trans-1,3-Dichloropropene	mg/l	0.0200	0.0175	88	22 - 178	6628
Methylene chloride	mg/l	0.0200	0.0270	135	25 - 162	3753
Methylene chloride	mg/l	0.0200	0.0292	146	25 - 162	6628
1,1,2,2-Tetrachloroethane	mg/l	0.0200	0.0236	118	8 - 184	3753
1,1,2,2-Tetrachloroethane	mg/l	0.0200	0.0222	111	8 - 184	6628
Tetrachloroethene	mg/l	0.0200	0.0323	162	26 - 162	3753
Tetrachloroethene	mg/l	0.0200	0.0271	136	26 - 162	6628
Tetrachloroethene	mg/l	0.0200	0.0245	122	26 - 162	6634
1,1,1-Trichloroethane	mg/l	0.0200	0.0242	121	41 - 138	3753
1,1,1-Trichloroethane	mg/l	0.0200	0.0231	116	41 - 138	6628
1,1,2-Trichloroethane	mg/l	0.0200	0.0253	126	39 - 136	3753

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,1,2-Trichloroethane	mg/l	0.0200	0.0236	118	39 - 136	6628
Trichloroethene	mg/l	0.0200	0.0239	120	35 - 146	3753
Trichloroethene	mg/l	0.0200	0.0240	120	35 - 146	6628
Trichloroethene	mg/l	0.0200	0.0225	112	35 - 146	6634
Trichlorofluoromethane	mg/l	0.0200	0.0196	98	21 - 156	3753
Trichlorofluoromethane	mg/l	0.0200	0.0206	103	21 - 156	6628
Methane	mg/L	1.33	1.40	105	79 - 121	1914
MISC PARAMETERS						
Nitrate-N as N	mg/l	6.00	5.90	98	90 - 110	861
Sulfate	mg/l	15.0	15.6	104	90 - 110	660
Total Organic Carbon	mg/l	200.	184.	92	87 - 110	1472
Chloride	mg/l	10.0	10.4	104	87 - 113	1181

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
Nitrate-N as N	mg/l	0.150	0.160	6.45	15.	861	05-A36231
Sulfate	mg/l	4.18	4.01	4.15	15.	660	05-A36282
Total Organic Carbon	mg/l	< 1.00	< 1.00	N/A	15.	1472	05-A36072
Chloride	mg/l	4.54	4.77	4.94	15.	1181	05-A36208

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Chlorobenzene	< 0.00100	mg/l	3753	3/17/05	9:14
Chlorobenzene	< 0.00100	mg/l	6628	3/17/05	23:27
1,2-Dichlorobenzene	< 0.00100	mg/l	3753	3/17/05	9:14
1,2-Dichlorobenzene	< 0.00100	mg/l	6628	3/17/05	23:27
1,3-Dichlorobenzene	< 0.00100	mg/l	3753	3/17/05	9:14
1,3-Dichlorobenzene	< 0.00100	mg/l	6628	3/17/05	23:27
1,4-Dichlorobenzene	< 0.00100	mg/l	3753	3/17/05	9:14
1,4-Dichlorobenzene	< 0.00100	mg/l	6628	3/17/05	23:27
Bromodichloromethane	< 0.00100	mg/l	3753	3/17/05	9:14
Bromodichloromethane	< 0.00100	mg/l	6628	3/17/05	23:27
Bromoform	< 0.00100	mg/l	3753	3/17/05	9:14
Bromoform	< 0.00100	mg/l	6628	3/17/05	23:27
Bromomethane	< 0.00100	mg/l	3753	3/17/05	9:14
Bromomethane	< 0.00100	mg/l	6628	3/17/05	23:27
Carbon tetrachloride	< 0.00100	mg/l	3753	3/17/05	9:14
Carbon tetrachloride	< 0.00100	mg/l	6628	3/17/05	23:27
Chloroethane	< 0.00100	mg/l	3753	3/17/05	9:14
Chloroethane	< 0.00100	mg/l	6628	3/17/05	23:27
2-Chloroethylvinylether	< 0.0100	mg/l	3753	3/17/05	9:14
2-Chloroethylvinylether	< 0.0100	mg/l	6628	3/17/05	23:27
Chloroform	< 0.00100	mg/l	3753	3/17/05	9:14
Chloroform	< 0.00100	mg/l	6628	3/17/05	23:27
Chloromethane	< 0.00100	mg/l	3753	3/17/05	9:14
Chloromethane	< 0.00100	mg/l	6628	3/17/05	23:27
Dibromochloromethane	< 0.00100	mg/l	3753	3/17/05	9:14
Dibromochloromethane	< 0.00100	mg/l	6628	3/17/05	23:27
Ethylene Dibromide	< 0.00100	mg/l	3753	3/17/05	9:14

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

PROJECT QUALITY CONTROL DATA
Project Number: GDR-006
Project Name: GOODRICH-DELAVAN
Page: 8
Laboratory Receipt Date: 3/15/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Ethylene Dibromide	< 0.00100	mg/l	6628	3/17/05	23:27
Vinyl chloride	< 0.00100	mg/l	3753	3/17/05	9:14
Vinyl chloride	< 0.00100	mg/l	6628	3/17/05	23:27
Dichlorodifluoromethane	< 0.00100	mg/l	3753	3/17/05	9:14
Dichlorodifluoromethane	< 0.00100	mg/l	6628	3/17/05	23:27
1,1-Dichloroethane	< 0.00100	mg/l	3753	3/17/05	9:14
1,1-Dichloroethane	< 0.00100	mg/l	6628	3/17/05	23:27
1,2-Dichloroethane	< 0.00100	mg/l	3753	3/17/05	9:14
1,2-Dichloroethane	< 0.00100	mg/l	6628	3/17/05	23:27
1,1-Dichloroethene	< 0.00100	mg/l	3753	3/17/05	9:14
1,1-Dichloroethene	< 0.00100	mg/l	6628	3/17/05	23:27
cis-1,2-Dichloroethene	< 0.00100	mg/l	3753	3/17/05	9:14
cis-1,2-Dichloroethene	< 0.00100	mg/l	6628	3/17/05	23:27
trans-1,2-Dichloroethene	< 0.00100	mg/l	3753	3/17/05	9:14
trans-1,2-Dichloroethene	< 0.00100	mg/l	6628	3/17/05	23:27
1,2-Dichloropropane	< 0.00100	mg/l	3753	3/17/05	9:14
1,2-Dichloropropane	< 0.00100	mg/l	6628	3/17/05	23:27
cis-1,3-Dichloropropene	< 0.00100	mg/l	3753	3/17/05	9:14
cis-1,3-Dichloropropene	< 0.00100	mg/l	6628	3/17/05	23:27
trans-1,3-Dichloropropene	< 0.00100	mg/l	3753	3/17/05	9:14
trans-1,3-Dichloropropene	< 0.00100	mg/l	6628	3/17/05	23:27
Methylene chloride	< 0.00500	mg/l	3753	3/17/05	9:14
Methylene chloride	< 0.00500	mg/l	6628	3/17/05	23:27
1,1,2,2-Tetrachloroethane	< 0.00100	mg/l	3753	3/17/05	9:14
1,1,2,2-Tetrachloroethane	< 0.00100	mg/l	6628	3/17/05	23:27
Tetrachloroethene	< 0.00100	mg/l	3753	3/17/05	9:14
Tetrachloroethene	< 0.00100	mg/l	6628	3/17/05	23:27
Tetrachloroethene	< 0.00100	mg/l	6634	3/18/05	12:44
1,1,1-Trichloroethane	< 0.00100	mg/l	3753	3/17/05	9:14
1,1,1-Trichloroethane	< 0.00100	mg/l	6628	3/17/05	23:27
1,1,2-Trichloroethane	< 0.00100	mg/l	3753	3/17/05	9:14

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

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PROJECT QUALITY CONTROL DATA
Project Number: GDR-006
Project Name: GOODRICH-DELAVAN
Page: 9
Laboratory Receipt Date: 3/15/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,1,2-Trichloroethane	< 0.00100	mg/l	6628	3/17/05	23:27
Trichloroethene	< 0.00100	mg/l	3753	3/17/05	9:14
Trichloroethene	< 0.00100	mg/l	6628	3/17/05	23:27
Trichloroethene	< 0.00100	mg/l	6634	3/18/05	12:44
Trichlorofluoromethane	< 0.00100	mg/l	3753	3/17/05	9:14
Trichlorofluoromethane	< 0.00100	mg/l	6628	3/17/05	23:27
PID Surr., a,a,a-trifluorotoluene	112.	% Recovery	3753	3/17/05	9:14
PID Surr., a,a,a-trifluorotoluene	111.	% Recovery	6628	3/17/05	23:27
MISC PARAMETERS					
Nitrate-N as N	< 0.100	mg/l	861	3/15/05	17:45
Sulfate	< 1.00	mg/l	660	3/15/05	11:44
Total Organic Carbon	< 1.00	mg/l	1472	3/16/05	11:37
Chloride	< 1.00	mg/l	1181	3/15/05	19:35
Methane	< 0.026	mg/L	1914	3/23/05	10:32

End of Report for Project 409289

409289

TestAmerica
ANALYTICAL TESTING CORPORATION

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
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: 5-DAY STD. 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)	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: EPA METHOD 601	NITRATE	SULFATE	CHLORIDES	TOC	METHANE					REMARKS
9 MW-1	3-14-05	1600	G	N	GW		9				2		✓	✓	✓	✓	✓	✓					36206
1 MW-2	3-14-05	1735	G	N	GW		3						✓										36198
2 MW-3	3-14-05	1755	G	N	GW		3						✓										36199
3 MW-4	3-14-05	1515	G	N	GW		3						✓										36200
4 MW-5	3-14-05	1630	G	N	GW		3						✓										01
5 MW-6	3-14-05	1700	G	N	GW		3						✓										02
6 MW-7	3-14-05	1820	G	N	GW		3						✓										03
7 MW-8	3-14-05	1715	G	N	GW		3						✓										36204
10 MW-9	3-14-05	1435	G	N	GW		9				2		✓	✓	✓	✓	✓	✓					36207
11 MW-10	3-14-05	1330	G	N	GW		9				2		✓	✓	✓	✓	✓	✓					36208

Special Instructions:
(SP) / NC TF / SC TF Quote (circle one)

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

Relinquished By: [signature]	Date: 3-14-05	Time: 20:00	Received By: [signature]	Date: 3/15/05	Time: 7:45
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 0.5
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

409289

TestAmerica
ANALYTICAL TESTING CORPORATION

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: 5-DAY STD. 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)	EPA METHOD 601										REMARKS
MW-11	3-14-05	1255	G	N	GW		3						✓										36285

Special Instructions:
(SP) / NC TF / SC TF Quote (circle one)
PLEASE EMAIL RESULTS TO:
mcrouch@harthickman.com
scottrill@harthickman.com

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	3-14-05	2000	UB	3/15/05	7:45

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
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#** 409289

Client Name : H+H

Cooler Received/Opened On: 3/15/05 **Accessioned By:** Mark Beasley

M. Bly
Log-in Personnel Signature

1. Temperature of Cooler when triaged: 0.5 **Degrees Celsius**
2. Were custody seals on outside of cooler?..... (YES)..NO...NA
   a. If yes, how many and where: 1 Front
3. Were custody seals on containers ?..... (NO)..YES...NA
4. Were the seals intact, signed, and dated correctly?..... (YES)..NO...NA
5. Were custody papers inside cooler?..... (YES)...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... (YES)...NO...NA
7. Did you sign the custody papers in the appropriate place?..... (YES)...NO...NA
8. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Other None
9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... (YES)..NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... (YES)..NO...NA
12. Did all container labels and tags agree with custody papers?..... (YES)..NO...NA
13. Were correct containers used for the analysis requested?..... (YES)..NO...NA
14. a. Were VOA vials received?..... (YES)..NO...NA
    b. Was there any observable head space present in any VOA vial?..... (NO)..YES...NA
15. Was sufficient amount of sample sent in each container?..... (YES)..NO...NA
16. Were correct preservatives used?..... (YES)..NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... (NO)..YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

UPS	Velocity	DHL	Route	Off-street	(Fedex)	Misc.
1712						

19. If a Non-Conformance exists, see attached or comments below:

Keystone
LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

MEMBER ACIL

29 March 2005

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

RECEIVED
APR 01 2005

RE: HRC Analysis

Enclosed are the results of analyses for samples received by the laboratory on 03/15/05 10:35. If you have any questions concerning this report, please feel free to contact me at 1-800-858-5227.

Sincerely,

Jeffrey King

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: [none] Project Manager: Mike Crouch	**Reported:** 03/29/05 15:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	15C0720-01	Water	03/14/05 16:00	03/15/05 10:35

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: [none] Project Manager: Mike Crouch	**Reported:** 03/29/05 15:01

MW-1
15C0720-01 (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	1C52329	03/22/05	03/22/05	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.

Jeffrey King

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	03/29/05 15:01

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 15C2314 - 1C52329										
Calibration Check (15C2314-CCV1)				Prepared & Analyzed: 03/22/05						
Pyruvic Acid (C3)	17.10		mg/l	15.00		114	80-120			
Lactic Acid (C3)	107.8		"	94.70		114	80-120			
Acetic Acid (C2)	115.7		"	103.0		112	80-120			
Propionic Acid (C3)	105.1		"	100.0		105	80-120			
Butyric Acid (C4)	109.1		"	110.0		99.2	80-120			
Calibration Check (15C2314-CCV2)				Prepared & Analyzed: 03/22/05						
Pyruvic Acid (C3)	16.02		mg/l	15.00		107	80-120			
Lactic Acid (C3)	100.5		"	94.70		106	80-120			
Acetic Acid (C2)	103.3		"	103.0		100	80-120			
Propionic Acid (C3)	100.0		"	100.0		100	80-120			
Butyric Acid (C4)	112.0		"	110.0		102	80-120			
Batch 1C52329 - General Prep HPLC/IC										
Blank (1C52329-BLK1)				Prepared & Analyzed: 03/22/05						
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 (1C52329-BS1)				Prepared & Analyzed: 03/22/05						
Pyruvic Acid (C3)	25.54	0.1	mg/l	22.00		116	72-137			
Lactic Acid (C3)	111.7	1.0	"	112.2		99.6	72-122			
Acetic Acid (C2)	116.4	1.0	"	102.0		114	88-126			
Propionic Acid (C3)	109.5	1.0	"	102.0		107	90-117			
Butyric Acid (C4)	110.6	1.0	"	105.8		105	86-120			

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.

Jeffrey King

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	03/29/05 15:01

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 1C52329 - General Prep HPLC/IC										
Matrix Spike (1C52329-MS1)		**Source: 15C0541-01**		Prepared & Analyzed: 03/22/05						
Pyruvic Acid (C3)	25.41	0.1	mg/l	22.00	ND	116	67-140			
Lactic Acid (C3)	102.8	1.0	"	112.2	ND	91.6	64-144			
Acetic Acid (C2)	112.9	1.0	"	102 0	ND	111	79-140			
Propionic Acid (C3)	107.3	1.0	"	102.0	ND	105	75-139			
Butyric Acid (C4)	113.7	1.0	"	105.8	ND	107	79-128			
Matrix Spike Dup (1C52329-MSD1)		**Source: 15C0541-01**		Prepared & Analyzed: 03/22/05						
Pyruvic Acid (C3)	23.31	0.1	mg/l	22.00	ND	106	67-140	8.62	12	
Lactic Acid (C3)	105.4	1.0	"	112.2	ND	93.9	64-144	2.50	19	
Acetic Acid (C2)	116.7	1.0	"	102.0	ND	114	79-140	3.31	19	
Propionic Acid (C3)	110.9	1.0	"	102.0	ND	109	75-139	3.30	15	
Butyric Acid (C4)	105.7	1.0	"	105.8	ND	99.9	79-128	7.29	22	

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.

Jeffrey King

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: [none] Project Manager: Mike Crouch	**Reported:** 03/29/05 15:01

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, SOUTH CAROLINA
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 STREET, 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	3/14/05	1600	WELLHEAD	1	GW	G	✓									01

LABORATORY WORK ORDER NO.: 15C0720
SAMPLE TEMPERATURE UPON RECEIPT: °C

Relinquished by: (Signature)	Date 3-14-05 Time 2000	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 3-15-05 Time 10:35	Remarks: PLEASE EMAIL RESULTS TO: mcrouch@harthickman.com scottrill@harthickman.com

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

FORM: CCR 7-97

Appendix C

Post-HRC Injection Laboratory Analytical Data (June 2005)

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

6/ 9/05

RECEIVED
JUN 17 2005

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: GOODRICH-DELAVAN
Project Number: GDR-006.
Laboratory Project Number: 418075.

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. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample 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 accreditation.

Sample Identification	Lab Number	Collection Date
MW-1	05-A78737	6/ 1/05
MW-9	05-A78738	6/ 1/05
MW-10	05-A78739	6/ 1/05
Trip Blank	05-A78740	

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Sample Identification	Lab Number	Collection Date

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Report Approved By: Pamela A. Langford Report Date: 6/ 9/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 84009

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A78737
Sample ID: MW-1
Sample Type: Water
Site ID:

Date Collected: 6/ 1/05
Time Collected: 14:30
Date Received: 6/ 2/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	602/601	7112
1,2-Dichlorobenzene	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	602/601	7112
1,3-Dichlorobenzene	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	602/601	7112
1,4-Dichlorobenzene	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	602/601	7112
Bromodichloromethane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Bromoform	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Bromomethane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Carbon tetrachloride	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Chloroethane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
2-Chloroethylvinylether	ND	ug/l	10.0	1	6/ 3/05	22:53	C.Johnson	601	7112
Chloroform	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Chloromethane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Dibromochloromethane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Ethylene Dibromide	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Vinyl chloride	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Dichlorodifluoromethane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
1,1-Dichloroethane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
1,2-Dichloroethane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
1,1-Dichloroethene	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
cis-1,2-Dichloroethene	10.1	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
1,2-Dichloropropane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A78737
Sample ID: MW-1
Project: GDR-006

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Methylene chloride	ND	ug/l	5.00	1	6/ 3/05	22:53	C.Johnson	601	7112
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Tetrachloroethene	5750	ug/l	500.	500	6/ 7/05	13:09	C.Johnson	601	8830
1,1,1-Trichloroethane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
1,1,2-Trichloroethane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Trichloroethene	41.3	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
Trichlorofluoromethane	ND	ug/l	1.00	1	6/ 3/05	22:53	C.Johnson	601	7112
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/l	26.	1	6/ 3/05	14:43	K. Roberso	8015BM	4173
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	1.34	mg/l	0.10	1	6/ 2/05	16:21	S. Overton	300	3643
Sulfate	ND	mg/l	1.00	1	6/ 2/05	16:21	S. Overton	300	3643
Total Organic Carbon	1.48	mg/l	1.00	1	6/ 3/05	9:38	S. Prayter	415.1	3605
Chloride	6.14	mg/l	1.00	1	6/ 2/05	16:21	S. Overton	300	3643

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	105.	63. - 134.
Hall Surr., 2-chloropropane	85.	55. - 109.
Hall Surr., chloroprene	88.	40. - 112.
Hall Surr., 1-chloro-3-fluorobenzene	98.	85. - 105.
Surr - Acetylene	99.0	70. - 130.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A78737
Sample ID: MW-1
Project: GDR-006

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A78738
Sample ID: MW-9
Sample Type: Water
Site ID:

Date Collected: 6/ 1/05
Time Collected: 13:00
Date Received: 6/ 2/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	602/601	7112
1,2-Dichlorobenzene	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	602/601	7112
1,3-Dichlorobenzene	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	602/601	7112
1,4-Dichlorobenzene	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	602/601	7112
Bromodichloromethane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
Bromoform	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
Bromomethane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
Carbon tetrachloride	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
Chloroethane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
2-Chloroethylvinylether	96.3	ug/l	10.0	1	6/ 3/05	23:35	C.Johnson	601	7112
Chloroform	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
Chloromethane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
Dibromochloromethane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
Ethylene Dibromide	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
Vinyl chloride	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
Dichlorodifluoromethane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
1,1-Dichloroethane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
1,2-Dichloroethane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
1,1-Dichloroethene	6.70	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
cis-1,2-Dichloroethene	226.	ug/l	10.0	10	6/ 7/05	13:52	C.Johnson	601	8830
trans-1,2-Dichloroethene	1.40	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
1,2-Dichloropropane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A78738
Sample ID: MW-9
Project: GDR-006

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
Methylene chloride	ND	ug/l	5.00	1	6/ 3/05	23:35	C.Johnson	601	7112
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
Tetrachloroethene	4670	ug/l	100.	100	6/ 7/05	14:34	C.Johnson	601	8837
1,1,1-Trichloroethane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
1,1,2-Trichloroethane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
Trichloroethene	280.	ug/l	10.0	10	6/ 7/05	13:52	C.Johnson	601	8830
Trichlorofluoromethane	ND	ug/l	1.00	1	6/ 3/05	23:35	C.Johnson	601	7112
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/l	26.	1	6/ 3/05	15:48	K. Roberso	8015BM	4173
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.21	mg/l	0.10	1	6/ 2/05	16:21	S. Overton	300	3643
Sulfate	2.84	mg/l	1.00	1	6/ 2/05	16:21	S. Overton	300	3643
Total Organic Carbon	1.92	mg/l	1.00	1	6/ 3/05	9:38	S. Prayter	415.1	3605
Chloride	3.08	mg/l	1.00	1	6/ 2/05	16:21	S. Overton	300	3643

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	106.	63. - 134.
Hall Surr., 2-chloropropane	88.	55. - 109.
Hall Surr., chloroprene	89.	40. - 112.
Hall Surr., 1-chloro-3-fluorobenzene	100.	85. - 105.
Surr - Acetylene	89.0	70. - 130.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A78738
Sample ID: MW-9
Project: GDR-006

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A78739
Sample ID: MW-10
Sample Type: Water
Site ID:

Date Collected: 6/ 1/05
Time Collected: 11:30
Date Received: 6/ 2/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	602/601	7112
1,2-Dichlorobenzene	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	602/601	7112
1,3-Dichlorobenzene	2.20	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	602/601	7112
1,4-Dichlorobenzene	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	602/601	7112
Bromodichloromethane	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Bromoform	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Bromomethane	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Carbon tetrachloride	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Chloroethane	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
2-Chloroethylvinylether	ND	ug/l	10.0	1	6/ 4/05	0:18	C.Johnson	601	7112
Chloroform	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Chloromethane	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Dibromochloromethane	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Ethylene Dibromide	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Vinyl chloride	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Dichlorodifluoromethane	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
1,1-Dichloroethane	1.70	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
1,2-Dichloroethane	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
1,1-Dichloroethene	17.5	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
cis-1,2-Dichloroethene	40.8	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
1,2-Dichloropropane	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A78739
Sample ID: MW-10
Project: GDR-006
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Methylene chloride	ND	ug/l	5.00	1	6/ 4/05	0:18	C.Johnson	601	7112
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Tetrachloroethene	5680	ug/l	100.	100	6/ 7/05	15:17	C.Johnson	601	8830
1,1,1-Trichloroethane	12.7	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
1,1,2-Trichloroethane	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Trichloroethene	52.0	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
Trichlorofluoromethane	ND	ug/l	1.00	1	6/ 4/05	0:18	C.Johnson	601	7112
MISCELLANEOUS GC PARAMETERS									
Methane	ND	ug/l	26.	1	6/ 3/05	15:53	K. Roberso	8015BM	4173
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.27	mg/l	0.10	1	6/ 2/05	16:21	S. Overton	300	3643
Sulfate	ND	mg/l	1.00	1	6/ 2/05	16:21	S. Overton	300	3643
Total Organic Carbon	1.46	mg/l	1.00	1	6/ 3/05	9:38	S. Prayter	415.1	3605
Chloride	4.51	mg/l	1.00	1	6/ 2/05	16:21	S. Overton	300	3643

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	106.	63. - 134.
Hall Surr., 2-chloropropane	84.	55. - 109.
Hall Surr., chloroprene	84.	40. - 112.
Hall Surr., 1-chloro-3-fluorobenzene	99.	85. - 105.
Surr - Acetylene	93.0	70. - 130.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A78739
Sample ID: MW-10
Project: GDR-006

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.

End of Sample Report.

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ANALYTICAL REPORT

HART & HICKMAN 2162

2923 SOUTH TYRON ST., STE. 100
CHARLOTTE, NC 28203-5449

Project: GDR-006
Project Name: GOODRICH-DELAVAN
Sampler: SHANNON COTTRILL

Lab Number: 05-A78740
Sample ID: Trip Blank
Sample Type: Water
Site ID:

Date Collected:
Time Collected:
Date Received: 6/ 2/05
Time Received: 7:50
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC									
Chlorobenzene	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	602/601	7112
1,2-Dichlorobenzene	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	602/601	7112
1,3-Dichlorobenzene	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	602/601	7112
1,4-Dichlorobenzene	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	602/601	7112
Bromodichloromethane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Bromoform	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Bromomethane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Carbon tetrachloride	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Chloroethane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
2-Chloroethylvinylether	ND	ug/l	10.0	1	6/ 3/05	20:03	C.Johnson	601	7112
Chloroform	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Chloromethane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Dibromochloromethane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Ethylene Dibromide	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Vinyl chloride	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Dichlorodifluoromethane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
1,1-Dichloroethane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
1,2-Dichloroethane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
1,1-Dichloroethene	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
cis-1,2-Dichloroethene	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
trans-1,2-Dichloroethene	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
1,2-Dichloropropane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112

Sample report continued . . .

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ANALYTICAL TESTING CORPORATION

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ANALYTICAL REPORT

Laboratory Number: 05-A78740
Sample ID: Trip Blank
Project: GDR-006

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,3-Dichloropropene	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
trans-1,3-Dichloropropene	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Methylene chloride	ND	ug/l	5.00	1	6/ 3/05	20:03	C.Johnson	601	7112
1,1,2,2-Tetrachloroethane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Tetrachloroethene	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
1,1,1-Trichloroethane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
1,1,2-Trichloroethane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Trichloroethene	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112
Trichlorofluoromethane	ND	ug/l	1.00	1	6/ 3/05	20:03	C.Johnson	601	7112

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	105.	63. - 134.
Hall Surr., 2-chloropropane	85.	55. - 109.
Hall Surr., chloroprene	94.	40. - 112.
Hall Surr., 1-chloro-3-fluorobenzene	96.	85. - 105.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: GDR-006
Project Name: GOODRICH-DELAVAN
Page: 1
Laboratory Receipt Date: 6/ 2/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Chlorobenzene	mg/l	< 0.00100	0.0162	0.0200	81	55 - 135	7112	05-A78074
1,2-Dichlorobenzene	mg/l	< 0.00100	0.0137	0.0200	68	37 - 154	7112	05-A78074
1,3-Dichlorobenzene	mg/l	< 0.00100	0.0132	0.0200	66	50 - 141	7112	05-A78074
1,4-Dichlorobenzene	mg/l	< 0.00100	0.0141	0.0200	70	42 - 143	7112	05-A78074
Bromodichloromethane	mg/l	< 0.00100	0.0205	0.0200	102	42 - 172	7112	05-A78074
Bromoform	mg/l	< 0.00100	0.0162	0.0200	81	13 - 159	7112	05-A78074
Bromomethane	mg/l	< 0.00100	0.0155	0.0200	78	1 - 144	7112	05-A78074
Carbon tetrachloride	mg/l	< 0.00100	0.0154	0.0200	77	43 - 143	7112	05-A78074
Chloroethane	mg/l	< 0.00100	0.0177	0.0200	88	46 - 137	7112	05-A78074
2-Chloroethylvinylether	mg/l	< 0.0100	< 0.0100	0.0200	N/A	14 - 186	7112	05-A78074
Chloroform	mg/l	< 0.00100	0.0191	0.0200	96	49 - 133	7112	05-A78074
Chloromethane	mg/l	< 0.00100	0.00910	0.0200	46	1 - 193	7112	05-A78074
Dibromochloromethane	mg/l	< 0.00100	0.0159	0.0200	80	24 - 191	7112	05-A78074
Ethylene Dibromide	mg/l	< 0.00100	0.0165	0.0200	82	59 - 144	7112	05-A78074
Vinyl chloride	mg/l	< 0.00100	0.0153	0.0200	76	28 - 163	7112	05-A78074
Dichlorodifluoromethane	mg/l	< 0.00100	0.00630	0.0200	32	15 - 177	7112	05-A78074
1,1-Dichloroethane	mg/l	< 0.00100	0.0202	0.0200	101	47 - 132	7112	05-A78074
1,2-Dichloroethane	mg/l	< 0.00100	0.0186	0.0200	93	51 - 147	7112	05-A78074
1,1-Dichloroethene	mg/l	< 0.00100	0.0169	0.0200	84	28 - 167	7112	05-A78074
cis-1,2-Dichloroethene	mg/l	< 0.00100	0.0180	0.0200	90	53 - 153	7112	05-A78074
trans-1,2-Dichloroethene	mg/l	< 0.00100	0.0218	0.0200	109	38 - 155	7112	05-A78074
1,2-Dichloropropane	mg/l	< 0.00100	0.0203	0.0200	102	44 - 156	7112	05-A78074
cis-1,3-Dichloropropene	mg/l	< 0.00100	0.0168	0.0200	84	22 - 178	7112	05-A78074
trans-1,3-Dichloropropene	mg/l	< 0.00100	0.0147	0.0200	74	22 - 178	7112	05-A78074
Methylene chloride	mg/l	< 0.00500	0.0196	0.0200	98	25 - 162	7112	05-A78074
1,1,2,2-Tetrachloroethane	mg/l	< 0.00100	0.0187	0.0200	94	8 - 184	7112	05-A78074

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: GDR-006
Project Name: GOODRICH-DELAVAN
Page: 2
Laboratory Receipt Date: 6/ 2/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
Tetrachloroethene	mg/l	< 0.00100	0.0167	0.0200	84	26 - 162	7112	05-A78074
1,1,1-Trichloroethane	mg/l	< 0.00100	0.0195	0.0200	98	41 - 138	7112	05-A78074
1,1,2-Trichloroethane	mg/l	< 0.00100	0.0168	0.0200	84	39 - 136	7112	05-A78074
Trichloroethene	mg/l	< 0.00100	0.0182	0.0200	91	35 - 146	7112	05-A78074
Trichlorofluoromethane	mg/l	< 0.00100	0.0194	0.0200	97	21 - 156	7112	05-A78074
MISC PARAMETERS								
Nitrate-N as N	mg/l	1.34	4.25	3.00	97	80. - 120.	3643	05-A78737
Sulfate	mg/l	< 1.00	15.5	15.0	103	80. - 120.	3643	05-A78737
Chloride	mg/l	6.14	8.52	3.00	79#	80. - 120.	3643	05-A78737
Methane	mg/l	< 0.026	1.16	1.33	87	62. - 132.	4173	05-A79303

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
MISC PARAMETERS						
Methane	mg/l	1.16	1.20	3.39	50	4173
Nitrate-N as N	mg/l	4.25	4.25	0.00	20	3643
Sulfate	mg/l	15.5	15.5	0.00	20	3643
Chloride	mg/l	8.52	8.41	1.30	20	3643

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Project Name: GOODRICH-DELAVAN
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Chlorobenzene	mg/l	0.0200	0.0199	100	55 - 135	7112
1,2-Dichlorobenzene	mg/l	0.0200	0.0166	83	37 - 154	7112
1,3-Dichlorobenzene	mg/l	0.0200	0.0170	85	50 - 141	7112
1,4-Dichlorobenzene	mg/l	0.0200	0.0163	82	42 - 143	7112
Bromodichloromethane	mg/l	0.0200	0.0198	99	42 - 172	7112
Bromoform	mg/l	0.0200	0.0190	95	13 - 159	7112
Bromomethane	mg/l	0.0200	0.0187	94	1 - 144	7112
Carbon tetrachloride	mg/l	0.0200	0.0192	96	43 - 143	7112
Chloroethane	mg/l	0.0200	0.0232	116	46 - 137	7112
2-Chloroethylvinylether	mg/l	0.0200	< 0.0100	N/A	14 - 186	7112
Chloroform	mg/l	0.0200	0.0194	97	49 - 133	7112
Chloromethane	mg/l	0.0200	0.0130	65	1 - 193	7112
Dibromochloromethane	mg/l	0.0200	0.0198	99	24 - 191	7112
Ethylene Dibromide	mg/l	0.0200	0.0205	102	69 - 138	7112
Vinyl chloride	mg/l	0.0200	0.0198	99	28 - 163	7112
Dichlorodifluoromethane	mg/l	0.0200	0.00690	34 #	44 - 169	7112
1,1-Dichloroethane	mg/l	0.0200	0.0214	107	47 - 132	7112
1,2-Dichloroethane	mg/l	0.0200	0.0190	95	51 - 147	7112
1,1-Dichloroethene	mg/l	0.0200	0.0207	104	28 - 167	7112
cis-1,2-Dichloroethene	mg/l	0.0200	0.0191	96	60 - 148	7112
cis-1,2-Dichloroethene	mg/l	0.0200	0.0203	102	60 - 148	8830
trans-1,2-Dichloroethene	mg/l	0.0200	0.0234	117	38 - 155	7112
1,2-Dichloropropane	mg/l	0.0200	0.0194	97	44 - 156	7112
cis-1,3-Dichloropropene	mg/l	0.0200	0.0186	93	22 - 178	7112
trans-1,3-Dichloropropene	mg/l	0.0200	0.0191	96	22 - 178	7112
Methylene chloride	mg/l	0.0200	0.0248	124	25 - 162	7112
1,1,2,2-Tetrachloroethane	mg/l	0.0200	0.0226	113	8 - 184	7112

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Project Name: GOODRICH-DELAVAN
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Tetrachloroethene	mg/l	0.0200	0.0214	107	26 - 162	7112
Tetrachloroethene	mg/l	0.0200	0.0224	112	26 - 162	8830
1,1,1-Trichloroethane	mg/l	0.0200	0.0201	100	41 - 138	7112
1,1,2-Trichloroethane	mg/l	0.0200	0.0202	101	39 - 136	7112
Trichloroethene	mg/l	0.0200	0.0192	96	35 - 146	7112
Trichloroethene	mg/l	0.0200	0.0236	118	35 - 146	8830
Trichlorofluoromethane	mg/l	0.0200	0.0227	114	21 - 156	7112
Methane	mg/l	1.33	1.37	103	79 - 121	4173
MISC PARAMETERS						
Nitrate-N as N	mg/l	3.00	3.02	101	90 - 110	3643
Sulfate	mg/l	15.0	14.7	98	90 - 110	3643
Total Organic Carbon	mg/l	200.	195.	98	87 - 110	3605
Chloride	mg/l	3.00	3.08	103	90 - 110	3643

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
Total Organic Carbon	mg/l	1.46	1.32	10.07	15.	3605	05-A78739

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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VOA PARAMETERS					
Chlorobenzene	< 0.00100	mg/l	7112	6/ 3/05	19:21
1,2-Dichlorobenzene	< 0.00100	mg/l	7112	6/ 3/05	19:21
1,3-Dichlorobenzene	< 0.00100	mg/l	7112	6/ 3/05	19:21
1,4-Dichlorobenzene	< 0.00100	mg/l	7112	6/ 3/05	19:21
Bromodichloromethane	< 0.00100	mg/l	7112	6/ 3/05	19:21
Bromoform	< 0.00100	mg/l	7112	6/ 3/05	19:21
Bromomethane	< 0.00100	mg/l	7112	6/ 3/05	19:21
Carbon tetrachloride	< 0.00100	mg/l	7112	6/ 3/05	19:21
Chloroethane	< 0.00100	mg/l	7112	6/ 3/05	19:21
2-Chloroethylvinylether	< 0.0100	mg/l	7112	6/ 3/05	19:21
Chloroform	< 0.00100	mg/l	7112	6/ 3/05	19:21
Chloromethane	< 0.00100	mg/l	7112	6/ 3/05	19:21
Dibromochloromethane	< 0.00100	mg/l	7112	6/ 3/05	19:21
Ethylene Dibromide	< 0.00100	mg/l	7112	6/ 3/05	19:21
Vinyl chloride	< 0.00100	mg/l	7112	6/ 3/05	19:21
Dichlorodifluoromethane	< 0.00100	mg/l	7112	6/ 3/05	19:21
1,1-Dichloroethane	< 0.00100	mg/l	7112	6/ 3/05	19:21
1,2-Dichloroethane	< 0.00100	mg/l	7112	6/ 3/05	19:21
1,1-Dichloroethene	< 0.00100	mg/l	7112	6/ 3/05	19:21
cis-1,2-Dichloroethene	< 0.00100	mg/l	7112	6/ 3/05	19:21
cis-1,2-Dichloroethene	< 0.00100	mg/l	8830	6/ 7/05	11:02
trans-1,2-Dichloroethene	< 0.00100	mg/l	7112	6/ 3/05	19:21
1,2-Dichloropropane	< 0.00100	mg/l	7112	6/ 3/05	19:21
cis-1,3-Dichloropropene	< 0.00100	mg/l	7112	6/ 3/05	19:21
trans-1,3-Dichloropropene	< 0.00100	mg/l	7112	6/ 3/05	19:21
Methylene chloride	< 0.00500	mg/l	7112	6/ 3/05	19:21
1,1,2,2-Tetrachloroethane	< 0.00100	mg/l	7112	6/ 3/05	19:21
Tetrachloroethene	< 0.00100	mg/l	7112	6/ 3/05	19:21
Tetrachloroethene	< 0.00100	mg/l	8830	6/ 7/05	11:02
1,1,1-Trichloroethane	< 0.00100	mg/l	7112	6/ 3/05	19:21
1,1,2-Trichloroethane	< 0.00100	mg/l	7112	6/ 3/05	19:21
Trichloroethene	< 0.00100	mg/l	7112	6/ 3/05	19:21
Trichloroethene	< 0.00100	mg/l	8830	6/ 7/05	11:02
Trichlorofluoromethane	< 0.00100	mg/l	7112	6/ 3/05	19:21

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Hall Surr., 2-chloropropane	88.	% Rec	7112	6/ 3/05	19:21
Hall Surr., 2-chloropropane	77.	% Rec	8830	6/ 7/05	11:02
Hall Surr., chloroprene	86.	% Rec	7112	6/ 3/05	19:21
Hall Surr., chloroprene	80.	% Rec	8830	6/ 7/05	11:02
Hall Surr., 1-chloro-3-fluorobenzene	96.	% Rec	7112	6/ 3/05	19:21
Hall Surr., 1-chloro-3-fluorobenzene	95.	% Rec	8830	6/ 7/05	11:02
PID Surr., a,a,a-trifluorotoluene	106.	% Recovery	7112	6/ 3/05	19:21
PID Surr., a,a,a-trifluorotoluene	106.	% Recovery	8830	6/ 7/05	11:02
MISC PARAMETERS					
Nitrate-N as N	< 0.10	mg/l	3643	6/ 2/05	16:21
Sulfate	< 1.00	mg/l	3643	6/ 2/05	16:21
Total Organic Carbon	< 1.00	mg/l	3605	6/ 3/05	9:38
Chloride	< 1.00	mg/l	3643	6/ 2/05	16:21
Methane	< 0.026	mg/l	4173	6/ 3/05	13:07

End of Report for Project 418075

Appendix D

Post-HRC Injection Laboratory Analytical Data (September 2005)

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October 10, 2005

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

Work Order: NOI2052
Project Name: Hart & Hickman
Project Nbr: GDR-006 / Goodrich-Delavan
Date Received: 09/21/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NOI2052-01	09/20/05 13:45
MW-9	NOI2052-02	09/20/05 12:10
MW-10	NOI2052-03	09/20/05 11:15
Trip Blank	NOI2052-04	09/20/05

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.

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OCT 2005

Report Approved By:

Jessica Vickers
Senior Project Manager

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Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NOI2052
		Project Name:	Hart & Hickman
		Project Number:	GDR-006 / Goodrich-Delavan
Attn	Mike Crouch	Received:	09/21/05 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOI2052-01 (MW-1 - Water) Sampled: 09/20/05 13:45									
General Chemistry Parameters									
Chloride	**6.55**		mg/L	1.00	1	09/21/05 16:39	EPA 300 0	GMB	5093243
Nitrate as N	**1.32**		mg/L	0.100	1	09/21/05 16:39	EPA 300 0	GMB	5093243
Sulfate	ND		mg/L	1.00	1	09/21/05 16:39	EPA 300.0	GMB	5093243
Total Organic Carbon	ND		mg/L	1.00	1	09/25/05 23:43	SW846 9060	MZC	5093178
Methane, Ethane, and Ethene by GC									
Methane	ND		ug/L	26.0	1	09/22/05 13:29	RSK 175	KMR	5093332
Surrogate: Acetylene (70-130%)	*102 %*					*09/22/05 13:29*	*RSK 175*	*KMR*	*5093332*
Purgeable Halocarbons by EPA Method 601									
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Bromodichloromethane	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Bromoform	ND		ug/L	2.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Bromomethane	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Carbon Tetrachloride	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Chlorobenzene	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Chlorodibromomethane	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Chloroethane	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
2-Chloroethylvinyl ether	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Chloroform	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Chloromethane	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
1,3-Dichlorobenzene	**1.51**		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
1,4-Dichlorobenzene	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
1,2-Dichlorobenzene	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
1,1-Dichloroethane	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
1,2-Dichloroethane	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
cis-1,2-Dichloroethene	**9.60**		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
1,1-Dichloroethene	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
1,2-Dichloropropane	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Methylene Chloride	ND		ug/L	5.00	1	09/23/05 21:10	EPA 601	Sys	5093549
1,1,2,2-Tetrachloroethane	**3.66**		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Tetrachloroethene	**3150**		ug/L	100	100	09/24/05 14:42	EPA 601	Sys	5093715
1,1,1-Trichloroethane	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
1,1,2-Trichloroethane	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Trichloroethene	**38.4**		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Trichlorofluoromethane	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Vinyl chloride	ND		ug/L	1.00	1	09/23/05 21:10	EPA 601	Sys	5093549
Surrogate: 2-Chloroprene (40-112%)	*88 %*					*09/23/05 21:10*	*EPA 601*	*Sys*	*5093549*
Surrogate: 2-Chloroprene (40-112%)	*96 %*					*09/24/05 14:42*	*EPA 601*	*Sys*	*5093715*
Surrogate: 1-Chloro-3-fluorobenzene (85-105%	*151 %*	*ZX*				*09/23/05 21:10*	*EPA 601*	*Sys*	*5093549*
Surrogate: 1-Chloro-3-fluorobenzene (85-105%	*99 %*					*09/24/05 14:42*	*EPA 601*	*Sys*	*5093715*
Surrogate: 2-Chloropropane (55-109%)	*86 %*					*09/23/05 21:10*	*EPA 601*	*Sys*	*5093549*

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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:	NOI2052
		Project Name:	Hart & Hickman
		Project Number:	GDR-006 / Goodrich-Delavan
Attn	Mike Crouch	Received:	09/21/05 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOI2052-01RE1 (MW-1 - Water) - cont. Sampled: 09/20/05 13:45									
Purgeable Halocarbons by EPA Method 601 - cont.									
Surrogate: 2-Chloropropane (55-109%)	*94 %*					*09/24/05 14:42*	*EPA 601*	*Sys*	*5093715*
Sample ID: NOI2052-02 (MW-9 - Water) Sampled: 09/20/05 12:10									
General Chemistry Parameters									
Chloride	**3.23**		mg/L	1.00	1	09/21/05 17:21	EPA 300 0	GMB	5093243
Nitrate as N	**0.286**		mg/L	0 100	1	09/21/05 17:21	EPA 300 0	GMB	5093243
Sulfate	**1.24**		mg/L	1.00	1	09/21/05 17:21	EPA 300 0	GMB	5093243
Total Organic Carbon	**1.33**		mg/L	1.00	1	09/25/05 23:43	SW846 9060	MZC	5093178
Methane, Ethane, and Ethene by GC									
Methane	ND		ug/L	26.0	1	09/22/05 13:32	RSK 175	KMR	5093332
Surrogate: Acetylene (70-130%)	*97 %*					*09/22/05 13:32*	*RSK 175*	*KMR*	*5093332*
Purgeable Halocarbons by EPA Method 601									
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Bromodichloromethane	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Bromoform	**33.9**		ug/L	2.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Bromomethane	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Carbon Tetrachloride	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Chlorobenzene	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Chlorodibromomethane	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Chloroethane	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
2-Chloroethylvinyl ether	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Chloroform	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Chloromethane	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
1,3-Dichlorobenzene	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
1,4-Dichlorobenzene	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
1,2-Dichlorobenzene	**3.39**		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
1,1-Dichloroethane	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
1,2-Dichloroethane	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
cis-1,2-Dichloroethene	**158**		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
trans-1,2-Dichloroethene	**1.90**		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
1,1-Dichloroethene	**13.6**		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
1,2-Dichloropropane	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
trans-1,3-Dichloropropene	**1.17**		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Methylene Chloride	ND		ug/L	5.00	1	09/23/05 21:53	EPA 601	Sys	5093549
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Tetrachloroethene	**5000**		ug/L	100	100	09/24/05 16:07	EPA 601	Sys	5093715
1,1,1-Trichloroethane	**1.28**		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
1,1,2-Trichloroethane	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Trichloroethene	**295**		ug/L	10.0	10	09/24/05 15:24	EPA 601	Sys	5093715
Trichlorofluoromethane	ND		ug/L	1.00	1	09/23/05 21:53	EPA 601	Sys	5093549
Vinyl chloride	ND		ug/L	1 00	1	09/23/05 21.53	EPA 601	Sys	5093549
Surrogate: 2-Chloroprene (40-112%)	*77 %*					*09/23/05 21:53*	*EPA 601*	*Sys*	*5093549*

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

Work Order: NOI2052
Project Name: Hart & Hickman
Project Number: GDR-006 / Goodrich-Delavan
Received: 09/21/05 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOI2052-02RE1 (MW-9 - Water) - cont. Sampled: 09/20/05 12:10									
Purgeable Halocarbons by EPA Method 601 - cont.									
Surrogate: 2-Chloroprene (40-112%)	*92 %*					*09/24/05 15:24*	*EPA 601*	*Sys*	*5093715*
Surrogate: 2-Chloroprene (40-112%)	*96 %*					*09/24/05 16:07*	*EPA 601*	*Sys*	*5093715*
Surrogate: 1-Chloro-3-fluorobenzene (85-105%	*159 %*	*ZX*				*09/23/05 21:53*	*EPA 601*	*Sys*	*5093549*
Surrogate: 1-Chloro-3-fluorobenzene (85-105%	*105 %*					*09/24/05 15:24*	*EPA 601*	*Sys*	*5093715*
Surrogate: 1-Chloro-3-fluorobenzene (85-105%	*100 %*					*09/24/05 16:07*	*EPA 601*	*Sys*	*5093715*
Surrogate: 2-Chloropropane (55-109%)	*96 %*					*09/23/05 21:53*	*EPA 601*	*Sys*	*5093549*
Surrogate: 2-Chloropropane (55-109%)	*94 %*					*09/24/05 15:24*	*EPA 601*	*Sys*	*5093715*
Surrogate: 2-Chloropropane (55-109%)	*97 %*					*09/24/05 16:07*	*EPA 601*	*Sys*	*5093715*
Sample ID: NOI2052-03 (MW-10 - Water) Sampled: 09/20/05 11:15									
General Chemistry Parameters									
Chloride	**4.86**		mg/L	1.00	1	09/22/05 16:16	EPA 300 0	GMB	5093243
Nitrate as N	**0.592**	H	mg/L	0.100	1	09/22/05 16:16	EPA 300 0	GMB	5093243
Sulfate	ND		mg/L	1.00	1	09/22/05 16:16	EPA 300 0	GMB	5093243
Total Organic Carbon	ND		mg/L	1.00	1	09/25/05 23:43	SW846 9060	MZC	5093178
Methane, Ethane, and Ethene by GC									
Methane	ND		ug/L	26.0	1	09/22/05 13:34	RSK 175	KMR	5093332
Surrogate: Acetylene (70-130%)	*101 %*					*09/22/05 13:34*	*RSK 175*	*KMR*	*5093332*
Purgeable Halocarbons by EPA Method 601									
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Bromodichloromethane	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Bromoform	**17.1**		ug/L	2.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Bromomethane	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Carbon Tetrachloride	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Chlorobenzene	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Chlorodibromomethane	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Chloroethane	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
2-Chloroethylvinyl ether	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Chloroform	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Chloromethane	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
1,3-Dichlorobenzene	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
1,4-Dichlorobenzene	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
1,2-Dichlorobenzene	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
1,1-Dichloroethane	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
1,2-Dichloroethane	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
cis-1,2-Dichloroethene	**27.8**		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
1,1-Dichloroethene	**40.0**		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
1,2-Dichloropropane	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Methylene Chloride	ND		ug/L	5.00	1	09/23/05 22:36	EPA 601	Sys	5093549
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549

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

Work Order: NOI2052
Project Name: Hart & Hickman
Project Number: GDR-006 / Goodrich-Delavan
Received: 09/21/05 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOI2052-03RE1 (MW-10 - Water) - cont. Sampled: 09/20/05 11:15									
Purgeable Halocarbons by EPA Method 601 - cont.									
Tetrachloroethene	**4360**		ug/L	100	100	09/24/05 16:50	EPA 601	Sys	5093715
1,1,1-Trichloroethane	**9.03**		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
1,1,2-Trichloroethane	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Trichloroethene	**46.2**		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Trichlorofluoromethane	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Vinyl chloride	ND		ug/L	1.00	1	09/23/05 22:36	EPA 601	Sys	5093549
Surrogate: 2-Chloroprene (40-112%)	*84 %*					*09/23/05 22:36*	*EPA 601*	*Sys*	*5093549*
Surrogate: 2-Chloroprene (40-112%)	*88 %*					*09/24/05 16:50*	*EPA 601*	*Sys*	*5093715*
Surrogate: 1-Chloro-3-fluorobenzene (85-105%	*142 %*	*ZX*				*09/23/05 22:36*	*EPA 601*	*Sys*	*5093549*
Surrogate: 1-Chloro-3-fluorobenzene (85-105%	*99 %*					*09/24/05 16:50*	*EPA 601*	*Sys*	*5093715*
Surrogate: 2-Chloropropane (55-109%)	*90 %*					*09/23/05 22:36*	*EPA 601*	*Sys*	*5093549*
Surrogate: 2-Chloropropane (55-109%)	*88 %*					*09/24/05 16:50*	*EPA 601*	*Sys*	*5093715*
Sample ID: NOI2052-04 (Trip Blank - Water) Sampled: 09/20/05									
Purgeable Halocarbons by EPA Method 601									
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Bromodichloromethane	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Bromoform	ND		ug/L	2.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Bromomethane	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Carbon Tetrachloride	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Chlorobenzene	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Chlorodibromomethane	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Chloroethane	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
2-Chloroethylvinyl ether	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Chloroform	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Chloromethane	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
1,3-Dichlorobenzene	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
1,4-Dichlorobenzene	ND		ug/L	1 00	1	09/23/05 23:19	EPA 601	Sys	5093549
1,2-Dichlorobenzene	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
1,1-Dichloroethane	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
1,2-Dichloroethane	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
1,1-Dichloroethene	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
1,2-Dichloropropane	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Methylene Chloride	ND		ug/L	5.00	1	09/23/05 23:19	EPA 601	Sys	5093549
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Tetrachloroethene	ND		ug/L	1.00	1	09/26/05 16:38	EPA 601	Sys	5094045
1,1,1-Trichloroethane	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
1,1,2-Trichloroethane	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Trichloroethene	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Trichlorofluoromethane	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549

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Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NOI2052
		Project Name:	Hart & Hickman
		Project Number:	GDR-006 / Goodrich-Delavan
Attn	Mike Crouch	Received:	09/21/05 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOI2052-04 (Trip Blank - Water) - cont. Sampled: 09/20/05									
Purgeable Halocarbons by EPA Method 601 - cont.									
Vinyl chloride	ND		ug/L	1.00	1	09/23/05 23:19	EPA 601	Sys	5093549
Surrogate: 2-Chloroprene (40-112%)	*89 %*					*09/23/05 23:19*	*EPA 601*	*Sys*	*5093549*
Surrogate: 2-Chloroprene (40-112%)	*98 %*					*09/26/05 16:38*	*EPA 601*	*Sys*	*5094045*
Surrogate: 1-Chloro-3-fluorobenzene (85-105%	*98 %*					*09/23/05 23:19*	*EPA 601*	*Sys*	*5093549*
Surrogate: 1-Chloro-3-fluorobenzene (85-105%	*99 %*					*09/26/05 16:38*	*EPA 601*	*Sys*	*5094045*
Surrogate: 2-Chloropropane (55-109%)	*95 %*					*09/23/05 23:19*	*EPA 601*	*Sys*	*5093549*
Surrogate: 2-Chloropropane (55-109%)	*99 %*					*09/26/05 16:38*	*EPA 601*	*Sys*	*5094045*

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

Work Order: NOI2052
Project Name: Hart & Hickman
Project Number: GDR-006 / Goodrich-Delavan
Received: 09/21/05 07:50

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
5093178-BLK1						
Total Organic Carbon	<0.150		mg/L	5093178	5093178-BLK1	09/25/05 23:43
5093243-BLK1						
Chloride	<0.240		mg/L	5093243	5093243-BLK1	09/21/05 15:58
Nitrate as N	<0.0100		mg/L	5093243	5093243-BLK1	09/21/05 15:58
Sulfate	<0.0690		mg/L	5093243	5093243-BLK1	09/21/05 15:58
Methane, Ethane, and Ethene by GC						
5093332-BLK1						
Methane	<13.6		ug/L	5093332	5093332-BLK1	09/22/05 11:30
Surrogate: Acetylene	118%			5093332	5093332-BLK1	09/22/05 11:30
Purgeable Halocarbons by EPA Method 601						
5093549-BLK1						
1,2-Dibromoethane (EDB)	<0.180		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Bromodichloromethane	<0.250		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Bromoform	<0.240		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Bromomethane	<0.340		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Carbon Tetrachloride	<0.260		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Chlorobenzene	<0.310		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Chlorodibromomethane	<0.310		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Chloroethane	<0.170		ug/L	5093549	5093549-BLK1	09/23/05 18:18
2-Chloroethylvinyl ether	<0.170		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Chloroform	<0.180		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Chloromethane	<0.240		ug/L	5093549	5093549-BLK1	09/23/05 18:18
1,3-Dichlorobenzene	<0.220		ug/L	5093549	5093549-BLK1	09/23/05 18:18
1,4-Dichlorobenzene	<0.570		ug/L	5093549	5093549-BLK1	09/23/05 18:18
1,2-Dichlorobenzene	<0.250		ug/L	5093549	5093549-BLK1	09/23/05 18:18
1,1-Dichloroethane	<0.150		ug/L	5093549	5093549-BLK1	09/23/05 18:18
1,2-Dichloroethane	<0.340		ug/L	5093549	5093549-BLK1	09/23/05 18:18
cis-1,2-Dichloroethene	<0.460		ug/L	5093549	5093549-BLK1	09/23/05 18:18
trans-1,2-Dichloroethene	<0.120		ug/L	5093549	5093549-BLK1	09/23/05 18:18
1,1-Dichloroethene	<0.340		ug/L	5093549	5093549-BLK1	09/23/05 18:18
1,2-Dichloropropane	<0.240		ug/L	5093549	5093549-BLK1	09/23/05 18:18
cis-1,3-Dichloropropene	<0.180		ug/L	5093549	5093549-BLK1	09/23/05 18:18
trans-1,3-Dichloropropene	<0.170		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Methylene Chloride	<0.170		ug/L	5093549	5093549-BLK1	09/23/05 18:18
1,1,2,2-Tetrachloroethane	<0.170		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Tetrachloroethene	<0.240		ug/L	5093549	5093549-BLK1	09/23/05 18:18
1,1,1-Trichloroethane	<0.120		ug/L	5093549	5093549-BLK1	09/23/05 18:18
1,1,2-Trichloroethane	<0.170		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Trichloroethene	<0.150		ug/L	5093549	5093549-BLK1	09/23/05 18:18

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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)	Work Order:	NOI2052
	2923 South Tyron Street, Suite 100	Project Name:	Hart & Hickman
	Charlotte, NC 28203-5449	Project Number:	GDR-006 / Goodrich-Delavan
Attn	Mike Crouch	Received:	09/21/05 07:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Purgeable Halocarbons by EPA Method 601						
5093549-BLK1						
Trichlorofluoromethane	<0.250		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Vinyl chloride	<0.360		ug/L	5093549	5093549-BLK1	09/23/05 18:18
Surrogate: 2-Chloroprene	96%			5093549	5093549-BLK1	09/23/05 18:18
Surrogate: 1-Chloro-3-fluorobenzene	97%			5093549	5093549-BLK1	09/23/05 18:18
Surrogate: 2-Chloropropane	90%			5093549	5093549-BLK1	09/23/05 18:18
5093715-BLK1						
Bromodichloromethane	<0.250		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Bromoform	<0.240		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Bromomethane	<0.340		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Carbon Tetrachloride	<0.260		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Chlorobenzene	<0.310		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Chlorodibromomethane	<0.310		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Chloroethane	<0.170		ug/L	5093715	5093715-BLK1	09/24/05 11:50
2-Chloroethylvinyl ether	<0.170		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Chloroform	<0.180		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Chloromethane	<0.240		ug/L	5093715	5093715-BLK1	09/24/05 11:50
1,3-Dichlorobenzene	<0.220		ug/L	5093715	5093715-BLK1	09/24/05 11:50
1,4-Dichlorobenzene	<0.570		ug/L	5093715	5093715-BLK1	09/24/05 11:50
1,2-Dichlorobenzene	<0.250		ug/L	5093715	5093715-BLK1	09/24/05 11:50
1,1-Dichloroethane	<0.150		ug/L	5093715	5093715-BLK1	09/24/05 11:50
1,2-Dichloroethane	<0.340		ug/L	5093715	5093715-BLK1	09/24/05 11:50
trans-1,2-Dichloroethene	<0.120		ug/L	5093715	5093715-BLK1	09/24/05 11:50
1,1-Dichloroethene	<0.340		ug/L	5093715	5093715-BLK1	09/24/05 11:50
1,2-Dichloropropane	<0.240		ug/L	5093715	5093715-BLK1	09/24/05 11:50
cis-1,3-Dichloropropene	<0.180		ug/L	5093715	5093715-BLK1	09/24/05 11:50
trans-1,3-Dichloropropene	<0.170		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Methylene Chloride	<0.170		ug/L	5093715	5093715-BLK1	09/24/05 11:50
1,1,2,2-Tetrachloroethane	<0.170		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Tetrachloroethene	<0.240		ug/L	5093715	5093715-BLK1	09/24/05 11:50
1,1,1-Trichloroethane	<0.120		ug/L	5093715	5093715-BLK1	09/24/05 11:50
1,1,2-Trichloroethane	<0.170		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Trichloroethene	<0.150		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Trichlorofluoromethane	<0.250		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Vinyl chloride	<0.360		ug/L	5093715	5093715-BLK1	09/24/05 11:50
Surrogate: 2-Chloroprene				5093715	5093715-BLK1	09/24/05 11:50
Surrogate: 1-Chloro-3-fluorobenzene				5093715	5093715-BLK1	09/24/05 11:50
Surrogate: 2-Chloropropane				5093715	5093715-BLK1	09/24/05 11:50
5094045-BLK1						
Bromodichloromethane	<0.250		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Bromoform	<0.240		ug/L	5094045	5094045-BLK1	09/26/05 15:55

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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: NOI2052
Project Name: Hart & Hickman
Project Number: GDR-006 / Goodrich-Delavan
Received: 09/21/05 07:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Purgeable Halocarbons by EPA Method 601						
5094045-BLK1						
Bromomethane	<0 340		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Carbon Tetrachloride	<0.260		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Chlorobenzene	<0.310		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Chlorodibromomethane	<0.310		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Chloroethane	<0.170		ug/L	5094045	5094045-BLK1	09/26/05 15:55
2-Chloroethylvinyl ether	<0.170		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Chloroform	<0.180		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Chloromethane	<0.240		ug/L	5094045	5094045-BLK1	09/26/05 15:55
1,3-Dichlorobenzene	<0.220		ug/L	5094045	5094045-BLK1	09/26/05 15:55
1,4-Dichlorobenzene	<0.570		ug/L	5094045	5094045-BLK1	09/26/05 15:55
1,2-Dichlorobenzene	<0.250		ug/L	5094045	5094045-BLK1	09/26/05 15:55
1,1-Dichloroethane	<0.150		ug/L	5094045	5094045-BLK1	09/26/05 15:55
1,2-Dichloroethane	<0.340		ug/L	5094045	5094045-BLK1	09/26/05 15:55
trans-1,2-Dichloroethene	<0.120		ug/L	5094045	5094045-BLK1	09/26/05 15:55
1,1-Dichloroethene	<0.340		ug/L	5094045	5094045-BLK1	09/26/05 15:55
1,2-Dichloropropane	<0.240		ug/L	5094045	5094045-BLK1	09/26/05 15:55
cis-1,3-Dichloropropene	<0.180		ug/L	5094045	5094045-BLK1	09/26/05 15:55
trans-1,3-Dichloropropene	<0.170		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Methylene Chloride	<0.170		ug/L	5094045	5094045-BLK1	09/26/05 15:55
1,1,2,2-Tetrachloroethane	<0.170		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Tetrachloroethene	<0.240		ug/L	5094045	5094045-BLK1	09/26/05 15:55
1,1,1-Trichloroethane	<0.120		ug/L	5094045	5094045-BLK1	09/26/05 15:55
1,1,2-Trichloroethane	<0.170		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Trichloroethene	<0.150		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Trichlorofluoromethane	<0.250		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Vinyl chloride	<0.360		ug/L	5094045	5094045-BLK1	09/26/05 15:55
Surrogate: 2-Chloroprene	103%			5094045	5094045-BLK1	09/26/05 15:55
Surrogate: 1-Chloro-3-fluorobenzene	99%			5094045	5094045-BLK1	09/26/05 15:55
Surrogate: 2-Chloropropane	97%			5094045	5094045-BLK1	09/26/05 15:55

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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:	NOI2052
		Project Name:	Hart & Hickman
		Project Number:	GDR-006 / Goodrich-Delavan
Attn	Mike Crouch	Received:	09/21/05 07:50

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
5093178-DUP1									
Total Organic Carbon	ND	ND		mg/L		20	5093178	NOI2052-01	09/25/05 23:43
5093178-DUP2									
Total Organic Carbon	2.66	2.42		mg/L	9	20	5093178	NOI2156-05	09/25/05 23:43
5093243-DUP1									
Chloride	4.86	4.68		mg/L	4	20	5093243	NOI2052-03	09/22/05 16:30
Nitrate as N	0.592	0.591		mg/L	0.2	20	5093243	NOI2052-03	09/22/05 16:30
Sulfate	ND	ND		mg/L		20	5093243	NOI2052-03	09/22/05 16:30

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

Work Order: NOI2052
Project Name: Hart & Hickman
Project Number: GDR-006 / Goodrich-Delavan
Received: 09/21/05 07:50

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
5093178-BS1								
Total Organic Carbon	200	198		ug/mL	99%	87 - 110	5093178	09/25/05 23:43
5093243-BS1								
Chloride	3.00	3.25		ug/mL	108%	90 - 110	5093243	09/21/05 16:25
Nitrate as N	3.00	3.05		ug/mL	102%	90 - 110	5093243	09/21/05 16:25
Sulfate	15.0	14.4		ug/mL	96%	90 - 110	5093243	09/21/05 16:25
Methane, Ethane, and Ethene by GC								
5093332-BS1								
Methane	1330	1370		ug/L	103%	79 - 121	5093332	09/22/05 11:52
Surrogate: Acetylene	2160	2160			100%	70 - 130	5093332	09/22/05 11:52
Purgeable Halocarbons by EPA Method 601								
5093549-BS1								
1,2-Dibromoethane (EDB)	20.0	19.3		ug/L	96%	69 - 138	5093549	09/24/05 05:03
Bromodichloromethane	20.0	20.5		ug/L	102%	42 - 172	5093549	09/24/05 05:03
Bromoform	20.0	18.9		ug/L	94%	13 - 159	5093549	09/24/05 05:03
Bromomethane	20.0	17.2		ug/L	86%	1 - 144	5093549	09/24/05 05:03
Carbon Tetrachloride	20.0	19.6		ug/L	98%	43 - 143	5093549	09/24/05 05:03
Chlorobenzene	20.0	20.9		ug/L	104%	55 - 135	5093549	09/24/05 05:03
Chlorodibromomethane	20.0	18.6		ug/L	93%	24 - 191	5093549	09/24/05 05:03
Chloroethane	20.0	19.0		ug/L	95%	46 - 137	5093549	09/24/05 05:03
2-Chloroethylvinyl ether	20.0	0.00	L2	ug/L	0%	14 - 186	5093549	09/24/05 05:03
Chloroform	20.0	22.6		ug/L	113%	49 - 133	5093549	09/24/05 05:03
Chloromethane	20.0	18.6		ug/L	93%	1 - 193	5093549	09/24/05 05:03
1,3-Dichlorobenzene	20.0	18.5		ug/L	92%	50 - 141	5093549	09/24/05 05:03
1,4-Dichlorobenzene	20.0	20.2		ug/L	101%	42 - 143	5093549	09/24/05 05:03
1,2-Dichlorobenzene	20.0	21.7		ug/L	108%	37 - 154	5093549	09/24/05 05:03
1,1-Dichloroethane	20.0	19.3		ug/L	96%	47 - 132	5093549	09/24/05 05:03
1,2-Dichloroethane	20.0	17.0		ug/L	85%	51 - 147	5093549	09/24/05 05:03
cis-1,2-Dichloroethene	20.0	20.3		ug/L	102%	60 - 148	5093549	09/24/05 05:03
trans-1,2-Dichloroethene	20.0	18.6		ug/L	93%	38 - 155	5093549	09/24/05 05:03
1,1-Dichloroethene	20.0	19.3		ug/L	96%	28 - 167	5093549	09/24/05 05:03
1,2-Dichloropropane	20.0	18.5		ug/L	92%	44 - 156	5093549	09/24/05 05:03
cis-1,3-Dichloropropene	20.0	17.6		ug/L	88%	22 - 178	5093549	09/24/05 05:03
trans-1,3-Dichloropropene	20.0	16.9		ug/L	84%	22 - 178	5093549	09/24/05 05:03
Methylene Chloride	20.0	21.1		ug/L	106%	25 - 162	5093549	09/24/05 05:03
1,1,2,2-Tetrachloroethane	20.0	20.9		ug/L	104%	8 - 184	5093549	09/24/05 05:03
Tetrachloroethene	20.0	36.2	A-01	ug/L	181%	26 - 162	5093549	09/24/05 05:03
1,1,1-Trichloroethane	20.0	20.0		ug/L	100%	41 - 138	5093549	09/24/05 05:03
1,1,2-Trichloroethane	20.0	23.0		ug/L	115%	39 - 136	5093549	09/24/05 05:03
Trichloroethene	20.0	19.5		ug/L	98%	35 - 146	5093549	09/24/05 05:03

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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: NOI2052
Project Name: Hart & Hickman
Project Number: GDR-006 / Goodrich-Delavan
Received: 09/21/05 07:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Purgeable Halocarbons by EPA Method 601								
5093549-BS1								
Trichlorofluoromethane	20.0	20.0		ug/L	100%	21 - 156	5093549	09/24/05 05:03
Vinyl chloride	20.0	21.3		ug/L	106%	28 - 163	5093549	09/24/05 05:03
Surrogate: 2-Chloroprene	1000	1030			103%	40 - 112	5093549	09/24/05 05:03
Surrogate: 1-Chloro-3-fluorobenzene	1000	989			99%	85 - 105	5093549	09/24/05 05:03
Surrogate: 2-Chloropropane	1000	971			97%	55 - 109	5093549	09/24/05 05:03
5093715-BS1								
Bromodichloromethane	20.0	23.8		ug/L	119%	42 - 172	5093715	09/25/05 02:07
Bromoform	20.0	18.1		ug/L	90%	13 - 159	5093715	09/25/05 02:07
Bromomethane	20.0	26.1		ug/L	130%	1 - 144	5093715	09/25/05 02:07
Carbon Tetrachloride	20.0	22.3		ug/L	112%	43 - 143	5093715	09/25/05 02:07
Chlorobenzene	20.0	23.5		ug/L	118%	55 - 135	5093715	09/25/05 02:07
Chlorodibromomethane	20.0	20.9		ug/L	104%	24 - 191	5093715	09/25/05 02:07
Chloroethane	20.0	30.0	L	ug/L	150%	46 - 137	5093715	09/25/05 02:07
2-Chloroethylvinyl ether	20.0	21.9		ug/L	110%	14 - 186	5093715	09/25/05 02:07
Chloroform	20.0	23.1		ug/L	116%	49 - 133	5093715	09/25/05 02:07
Chloromethane	20.0	26.9		ug/L	134%	1 - 193	5093715	09/25/05 02:07
1,3-Dichlorobenzene	20.0	22.3		ug/L	112%	50 - 141	5093715	09/25/05 02:07
1,4-Dichlorobenzene	20.0	25.1		ug/L	126%	42 - 143	5093715	09/25/05 02:07
1,2-Dichlorobenzene	20.0	22.5		ug/L	112%	37 - 154	5093715	09/25/05 02:07
1,1-Dichloroethane	20.0	23.0		ug/L	115%	47 - 132	5093715	09/25/05 02:07
1,2-Dichloroethane	20.0	21.7		ug/L	108%	51 - 147	5093715	09/25/05 02:07
trans-1,2-Dichloroethene	20.0	22.2		ug/L	111%	38 - 155	5093715	09/25/05 02:07
1,1-Dichloroethene	20.0	25.9		ug/L	130%	28 - 167	5093715	09/25/05 02:07
1,2-Dichloropropane	20.0	22.3		ug/L	112%	44 - 156	5093715	09/25/05 02:07
cis-1,3-Dichloropropene	20.0	20.1		ug/L	100%	22 - 178	5093715	09/25/05 02:07
trans-1,3-Dichloropropene	20.0	17.6		ug/L	88%	22 - 178	5093715	09/25/05 02:07
Methylene Chloride	20.0	24.8		ug/L	124%	25 - 162	5093715	09/25/05 02:07
1,1,2,2-Tetrachloroethane	20.0	20.5		ug/L	102%	8 - 184	5093715	09/25/05 02:07
Tetrachloroethene	20.0	24.0		ug/L	120%	26 - 162	5093715	09/25/05 02:07
1,1,1-Trichloroethane	20.0	23.4		ug/L	117%	41 - 138	5093715	09/25/05 02:07
1,1,2-Trichloroethane	20.0	22.7		ug/L	114%	39 - 136	5093715	09/25/05 02:07
Trichloroethene	20.0	21.7		ug/L	108%	35 - 146	5093715	09/25/05 02:07
Trichlorofluoromethane	20.0	27.0		ug/L	135%	21 - 156	5093715	09/25/05 02:07
Vinyl chloride	20.0	28.2		ug/L	141%	28 - 163	5093715	09/25/05 02:07
5094045-BS1								
Bromodichloromethane	20.0	22.9		ug/L	114%	42 - 172	5094045	09/27/05 04:06
Bromoform	20.0	21.0		ug/L	105%	13 - 159	5094045	09/27/05 04:06
Bromomethane	20.0	23.1		ug/L	116%	1 - 144	5094045	09/27/05 04:06
Carbon Tetrachloride	20.0	22.6		ug/L	113%	43 - 143	5094045	09/27/05 04:06
Chlorobenzene	20.0	25.7		ug/L	128%	55 - 135	5094045	09/27/05 04:06

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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: NOI2052
Project Name: Hart & Hickman
Project Number: GDR-006 / Goodrich-Delavan
Received: 09/21/05 07:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Purgeable Halocarbons by EPA Method 601								
5094045-BS1								
Chlorodibromomethane	20.0	20.0		ug/L	100%	24 - 191	5094045	09/27/05 04:06
Chloroethane	20.0	18.8		ug/L	94%	46 - 137	5094045	09/27/05 04:06
2-Chloroethylvinyl ether	20.0	19.7		ug/L	98%	14 - 186	5094045	09/27/05 04:06
Chloroform	20.0	22.3		ug/L	112%	49 - 133	5094045	09/27/05 04.06
Chloromethane	20.0	21.0		ug/L	105%	1 - 193	5094045	09/27/05 04:06
1,3-Dichlorobenzene	20.0	20.2		ug/L	101%	50 - 141	5094045	09/27/05 04:06
1,4-Dichlorobenzene	20.0	21.8		ug/L	109%	42 - 143	5094045	09/27/05 04:06
1,2-Dichlorobenzene	20.0	21.2		ug/L	106%	37 - 154	5094045	09/27/05 04:06
1,1-Dichloroethane	20.0	20.4		ug/L	102%	47 - 132	5094045	09/27/05 04:06
1,2-Dichloroethane	20.0	22.6		ug/L	113%	51 - 147	5094045	09/27/05 04:06
trans-1,2-Dichloroethene	20.0	18.2		ug/L	91%	38 - 155	5094045	09/27/05 04:06
1,1-Dichloroethene	20.0	19.7		ug/L	98%	28 - 167	5094045	09/27/05 04:06
1,2-Dichloropropane	20.0	22.0		ug/L	110%	44 - 156	5094045	09/27/05 04:06
cis-1,3-Dichloropropene	20.0	22.5		ug/L	112%	22 - 178	5094045	09/27/05 04:06
trans-1,3-Dichloropropene	20.0	18.5		ug/L	92%	22 - 178	5094045	09/27/05 04:06
Methylene Chloride	20.0	17.1		ug/L	86%	25 - 162	5094045	09/27/05 04:06
1,1,2,2-Tetrachloroethane	20.0	22.0		ug/L	110%	8 - 184	5094045	09/27/05 04:06
Tetrachloroethene	20.0	23.4		ug/L	117%	26 - 162	5094045	09/27/05 04:06
1,1,1-Trichloroethane	20.0	22.4		ug/L	112%	41 - 138	5094045	09/27/05 04:06
1,1,2-Trichloroethane	20.0	23.0		ug/L	115%	39 - 136	5094045	09/27/05 04:06
Trichloroethene	20.0	21.4		ug/L	107%	35 - 146	5094045	09/27/05 04:06
Trichlorofluoromethane	20.0	22.9		ug/L	114%	21 - 156	5094045	09/27/05 04:06
Vinyl chloride	20.0	23.0		ug/L	115%	28 - 163	5094045	09/27/05 04:06
Surrogate: 2-Chloroprene	1000	959			96%	40 - 112	5094045	09/27/05 04:06
Surrogate: 1-Chloro-3-fluorobenzene	1000	987			99%	85 - 105	5094045	09/27/05 04:06
Surrogate: 2-Chloropropane	1000	855			86%	55 - 109	5094045	09/27/05 04.06

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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: NOI2052
Project Name: Hart & Hickman
Project Number: GDR-006 / Goodrich-Delavan
Received: 09/21/05 07:50

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										
5093178-MS1										
Total Organic Carbon	6.40	25.7		ug/mL	20.0	96%	75 - 137	5093178	NOI1999-03	09/25/05 23:43
5093243-MS1										
Chloride	6.55	8.94	M8	ug/mL	3.00	80%	90 - 110	5093243	NOI2052-01	09/21/05 16:53
Nitrate as N	1.32	4.16		ug/mL	3.00	95%	90 - 110	5093243	NOI2052-01	09/21/05 16:53
Sulfate	0.308	14.4		ug/mL	15.0	94%	80 - 120	5093243	NOI2052-01	09/21/05 16:53
Methane, Ethane, and Ethene by GC										
5093332-MS1										
Methane	ND	1360		ug/L	1330	102%	62 - 132	5093332	NOI1979-01	09/22/05 11:33
Surrogate: Acetylene		2140		ug/L	2160	99%	70 - 130	5093332	NOI1979-01	09/22/05 11:33
Purgeable Halocarbons by EPA Method 601										
5093549-MS1										
1,2-Dibromoethane (EDB)	ND	24.4		ug/L	20.0	122%	59 - 144	5093549	NOI2052-01	09/24/05 03:37
Bromodichloromethane	ND	27.4		ug/L	20.0	137%	42 - 172	5093549	NOI2052-01	09/24/05 03:37
Bromoform	ND	40.8	M7	ug/L	20.0	204%	13 - 159	5093549	NOI2052-01	09/24/05 03:37
Bromomethane	ND	28.5		ug/L	20.0	142%	1 - 144	5093549	NOI2052-01	09/24/05 03:37
Carbon Tetrachloride	ND	23.6		ug/L	20.0	118%	43 - 143	5093549	NOI2052-01	09/24/05 03:37
Chlorobenzene	ND	65.3	M7	ug/L	20.0	326%	55 - 135	5093549	NOI2052-01	09/24/05 03:37
Chlorodibromomethane	ND	23.4		ug/L	20.0	117%	24 - 191	5093549	NOI2052-01	09/24/05 03:37
Chloroethane	ND	29.9	M7	ug/L	20.0	150%	46 - 137	5093549	NOI2052-01	09/24/05 03:37
2-Chloroethylvinyl ether	ND	0.00	M8	ug/L	20.0	0%	14 - 186	5093549	NOI2052-01	09/24/05 03:37
Chloroform	ND	25.8		ug/L	20.0	129%	49 - 133	5093549	NOI2052-01	09/24/05 03:37
Chloromethane	ND	26.7		ug/L	20.0	134%	1 - 193	5093549	NOI2052-01	09/24/05 03:37
1,3-Dichlorobenzene	1.51	19.7		ug/L	20.0	91%	50 - 141	5093549	NOI2052-01	09/24/05 03:37
1,4-Dichlorobenzene	ND	24.8		ug/L	20.0	124%	42 - 143	5093549	NOI2052-01	09/24/05 03:37
1,2-Dichlorobenzene	ND	24.7		ug/L	20.0	124%	37 - 154	5093549	NOI2052-01	09/24/05 03:37
1,1-Dichloroethane	ND	23.4		ug/L	20.0	117%	47 - 132	5093549	NOI2052-01	09/24/05 03:37
1,2-Dichloroethane	ND	21.7		ug/L	20.0	108%	51 - 147	5093549	NOI2052-01	09/24/05 03:37
cis-1,2-Dichloroethene	9.60	32.1		ug/L	20.0	112%	53 - 153	5093549	NOI2052-01	09/24/05 03:37
trans-1,2-Dichloroethene	ND	23.6		ug/L	20.0	118%	38 - 155	5093549	NOI2052-01	09/24/05 03:37
1,1-Dichloroethene	ND	24.1		ug/L	20.0	120%	28 - 167	5093549	NOI2052-01	09/24/05 03:37
1,2-Dichloropropane	ND	22.7		ug/L	20.0	114%	44 - 156	5093549	NOI2052-01	09/24/05 03:37
cis-1,3-Dichloropropene	ND	22.2		ug/L	20.0	111%	22 - 178	5093549	NOI2052-01	09/24/05 03:37
trans-1,3-Dichloropropene	ND	19.9		ug/L	20.0	100%	22 - 178	5093549	NOI2052-01	09/24/05 03:37
Methylene Chloride	ND	22.9		ug/L	20.0	114%	25 - 162	5093549	NOI2052-01	09/24/05 03:37
1,1,2,2-Tetrachloroethane	3.66	27.5		ug/L	20.0	119%	8 - 184	5093549	NOI2052-01	09/24/05 03:37

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

Work Order: NOI2052
Project Name: Hart & Hickman
Project Number: GDR-006 / Goodrich-Delavan
Received: 09/21/05 07:50

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
Purgeable Halocarbons by EPA Method 601										
5093549-MS1										
Tetrachloroethene	2620	2660	M7	ug/L	20 0	200%	26 - 162	5093549	NOI2052-01	09/24/05 03:37
1,1,1-Trichloroethane	ND	25.0		ug/L	20.0	125%	41 - 138	5093549	NOI2052-01	09/24/05 03:37
1,1,2-Trichloroethane	ND	25.4		ug/L	20.0	127%	39 - 136	5093549	NOI2052-01	09/24/05 03:37
Trichloroethene	38.4	63.5		ug/L	20.0	126%	35 - 146	5093549	NOI2052-01	09/24/05 03:37
Trichlorofluoromethane	ND	28.4		ug/L	20.0	142%	21 - 156	5093549	NOI2052-01	09/24/05 03:37
Vinyl chloride	ND	29.2		ug/L	20 0	146%	28 - 163	5093549	NOI2052-01	09/24/05 03:37
Surrogate: 2-Chloroprene		975		ug/L	1000	98%	40 - 112	5093549	NOI2052-01	09/24/05 03:37
Surrogate: 1-Chloro-3-fluorobenzene		1400	ZX	ug/L	1000	140%	85 - 105	5093549	NOI2052-01	09/24/05 03:37
Surrogate: 2-Chloropropane		987		ug/L	1000	99%	55 - 109	5093549	NOI2052-01	09/24/05 03:37
5093715-MS1										
Bromodichloromethane	ND	23.2		ug/L	20.0	116%	42 - 172	5093715	NOI2248-01	09/25/05 00:42
Bromoform	ND	19.1		ug/L	20.0	96%	13 - 159	5093715	NOI2248-01	09/25/05 00:42
Bromomethane	ND	25.1		ug/L	20.0	126%	1 - 144	5093715	NOI2248-01	09/25/05 00:42
Carbon Tetrachloride	ND	23.2		ug/L	20.0	116%	43 - 143	5093715	NOI2248-01	09/25/05 00:42
Chlorobenzene	ND	24.3		ug/L	20.0	122%	55 - 135	5093715	NOI2248-01	09/25/05 00:42
Chlorodibromomethane	ND	22.3		ug/L	20.0	112%	24 - 191	5093715	NOI2248-01	09/25/05 00:42
Chloroethane	ND	22.2		ug/L	20.0	111%	46 - 137	5093715	NOI2248-01	09/25/05 00:42
2-Chloroethylvinyl ether	ND	0.00	M8	ug/L	20.0	0%	14 - 186	5093715	NOI2248-01	09/25/05 00:42
Chloroform	ND	23.2		ug/L	20.0	116%	49 - 133	5093715	NOI2248-01	09/25/05 00:42
Chloromethane	ND	32.9		ug/L	20.0	164%	1 - 193	5093715	NOI2248-01	09/25/05 00:42
1,3-Dichlorobenzene	ND	21.0		ug/L	20 0	105%	50 - 141	5093715	NOI2248-01	09/25/05 00:42
1,4-Dichlorobenzene	ND	24.4		ug/L	20.0	122%	42 - 143	5093715	NOI2248-01	09/25/05 00:42
1,2-Dichlorobenzene	ND	22.6		ug/L	20.0	113%	37 - 154	5093715	NOI2248-01	09/25/05 00:42
1,1-Dichloroethane	ND	23.6		ug/L	20.0	118%	47 - 132	5093715	NOI2248-01	09/25/05 00:42
1,2-Dichloroethane	ND	21.0		ug/L	20.0	105%	51 - 147	5093715	NOI2248-01	09/25/05 00:42
trans-1,2-Dichloroethene	ND	21.9		ug/L	20.0	110%	38 - 155	5093715	NOI2248-01	09/25/05 00:42
1,1-Dichloroethene	ND	24.0		ug/L	20.0	120%	28 - 167	5093715	NOI2248-01	09/25/05 00:42
1,2-Dichloropropane	ND	20.6		ug/L	20.0	103%	44 - 156	5093715	NOI2248-01	09/25/05 00:42
cis-1,3-Dichloropropene	ND	20.5		ug/L	20.0	102%	22 - 178	5093715	NOI2248-01	09/25/05 00:42
trans-1,3-Dichloropropene	ND	17.6		ug/L	20.0	88%	22 - 178	5093715	NOI2248-01	09/25/05 00:42
Methylene Chloride	ND	23.3		ug/L	20.0	116%	25 - 162	5093715	NOI2248-01	09/25/05 00:42
1,1,2,2-Tetrachloroethane	ND	24.3		ug/L	20.0	122%	8 - 184	5093715	NOI2248-01	09/25/05 00:42
Tetrachloroethene	ND	26.8		ug/L	20.0	134%	26 - 162	5093715	NOI2248-01	09/25/05 00:42
1,1,1-Trichloroethane	ND	24.6		ug/L	20.0	123%	41 - 138	5093715	NOI2248-01	09/25/05 00:42
1,1,2-Trichloroethane	ND	22.6		ug/L	20.0	113%	39 - 136	5093715	NOI2248-01	09/25/05 00:42
Trichloroethene	0.974	24.9		ug/L	20.0	120%	35 - 146	5093715	NOI2248-01	09/25/05 00:42
Trichlorofluoromethane	ND	24.7		ug/L	20.0	124%	21 - 156	5093715	NOI2248-01	09/25/05 00:42

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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:	NOI2052
		Project Name:	Hart & Hickman
		Project Number:	GDR-006 / Goodrich-Delavan
Attn	Mike Crouch	Received:	09/21/05 07:50

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
Purgeable Halocarbons by EPA Method 601										
5093715-MS1										
Vinyl chloride	ND	27.8		ug/L	20.0	139%	28 - 163	5093715	NOI2248-01	09/25/05 00:42
Surrogate: 2-Chloroprene		876		ug/L			40 - 112	5093715	NOI2248-01	09/25/05 00:42
Surrogate: 1-Chloro-3-fluorobenzene		995		ug/L			85 - 105	5093715	NOI2248-01	09/25/05 00:42
Surrogate: 2-Chloropropane		1000		ug/L			55 - 109	5093715	NOI2248-01	09/25/05 00:42

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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: NOI2052
Project Name: Hart & Hickman
Project Number: GDR-006 / Goodrich-Delavan
Received: 09/21/05 07:50

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												
5093178-MSD1												
Total Organic Carbon	6.40	25.9		ug/mL	20.0	98%	75 - 137	0.8	20	5093178	NOI1999-03	09/25/05 23:43
5093243-MSD1												
Chloride	6.55	9.03	M8	ug/mL	3.00	83%	90 - 110	1	20	5093243	NOI2052-01	09/21/05 16:39
Nitrate as N	1.32	4.16		ug/mL	3.00	95%	90 - 110	0	20	5093243	NOI2052-01	09/21/05 16:39
Sulfate	0.308	14.3		ug/mL	15.0	93%	80 - 120	0.7	20	5093243	NOI2052-01	09/21/05 16:39
Methane, Ethane, and Ethene by GC												
5093332-MSD1												
Methane	ND	1280		ug/L	1330	96%	62 - 132	6	26	5093332	NOI1979-01	09/22/05 11:44
Surrogate: Acetylene		1980		ug/L	2160	92%	70 - 130			5093332	NOI1979-01	09/22/05 11:44
Purgeable Halocarbons by EPA Method 601												
5093549-MSD1												
1,2-Dibromoethane (EDB)	ND	22.4		ug/L	20.0	112%	59 - 144	9	41	5093549	NOI2052-01	09/24/05 04:20
Bromodichloromethane	ND	26.3		ug/L	20 0	132%	42 - 172	4	42	5093549	NOI2052-01	09/24/05 04:20
Bromoform	ND	38.9	M7	ug/L	20.0	194%	13 - 159	5	41	5093549	NOI2052-01	09/24/05 04:20
Bromomethane	ND	27.1		ug/L	20 0	136%	1 - 144	5	51	5093549	NOI2052-01	09/24/05 04:20
Carbon Tetrachloride	ND	19.9		ug/L	20.0	100%	43 - 143	17	31	5093549	NOI2052-01	09/24/05 04:20
Chlorobenzene	ND	59.2	M7	ug/L	20.0	296%	55 - 135	10	47	5093549	NOI2052-01	09/24/05 04:20
Chlorodibromomethane	ND	22.2		ug/L	20.0	111%	24 - 191	5	35	5093549	NOI2052-01	09/24/05 04:20
Chloroethane	ND	27.9	M7	ug/L	20.0	140%	46 - 137	7	45	5093549	NOI2052-01	09/24/05 04:20
2-Chloroethylvinyl ether	ND	0.00	M8	ug/L	20.0	0%	14 - 186		37	5093549	NOI2052-01	09/24/05 04:20
Chloroform	ND	23.9		ug/L	20.0	120%	49 - 133	8	30	5093549	NOI2052-01	09/24/05 04:20
Chloromethane	ND	26.8		ug/L	20.0	134%	1 - 193	0.4	50	5093549	NOI2052-01	09/24/05 04:20
1,3-Dichlorobenzene	1.51	21.9		ug/L	20.0	102%	50 - 141	11	37	5093549	NOI2052-01	09/24/05 04:20
1,4-Dichlorobenzene	ND	25.5		ug/L	20.0	128%	42 - 143	3	38	5093549	NOI2052-01	09/24/05 04:20
1,2-Dichlorobenzene	ND	24.5		ug/L	20.0	122%	37 - 154	0.8	30	5093549	NOI2052-01	09/24/05 04:20
1,1-Dichloroethane	ND	22.1		ug/L	20.0	110%	47 - 132	6	36	5093549	NOI2052-01	09/24/05 04:20
1,2-Dichloroethane	ND	20.5		ug/L	20.0	102%	51 - 147	6	32	5093549	NOI2052-01	09/24/05 04:20
cis-1,2-Dichloroethene	9.60	29.3		ug/L	20.0	98%	53 - 153	9	30	5093549	NOI2052-01	09/24/05 04:20
trans-1,2-Dichloroethene	ND	19 8		ug/L	20.0	99%	38 - 155	18	34	5093549	NOI2052-01	09/24/05 04:20
1,1-Dichloroethene	ND	22.9		ug/L	20.0	114%	28 - 167	5	36	5093549	NOI2052-01	09/24/05 04:20
1,2-Dichloropropane	ND	22.4		ug/L	20 0	112%	44 - 156	1	36	5093549	NOI2052-01	09/24/05 04:20
cis-1,3-Dichloropropene	ND	18.7		ug/L	20.0	94%	22 - 178	17	34	5093549	NOI2052-01	09/24/05 04:20
trans-1,3-Dichloropropene	ND	18.8		ug/L	20.0	94%	22 - 178	6	38	5093549	NOI2052-01	09/24/05 04:20
Methylene Chloride	ND	25.3		ug/L	20.0	126%	25 - 162	10	38	5093549	NOI2052-01	09/24/05 04:20
1,1,2,2-Tetrachloroethane	3.66	28.9		ug/L	20.0	126%	8 - 184	5	35	5093549	NOI2052-01	09/24/05 04:20
Tetrachloroethene	2620	2360	M8	ug/L	20 0	-1300%	26 - 162	12	38	5093549	NOI2052-01	09/24/05 04:20
1,1,1-Trichloroethane	ND	24.6		ug/L	20.0	123%	41 - 138	2	32	5093549	NOI2052-01	09/24/05 04:20
1,1,2-Trichloroethane	ND	24.0		ug/L	20.0	120%	39 - 136	6	39	5093549	NOI2052-01	09/24/05 04:20

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

Work Order: NOI2052
Project Name: Hart & Hickman
Project Number: GDR-006 / Goodrich-Delavan
Received: 09/21/05 07:50

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
Purgeable Halocarbons by EPA Method 601												
5093549-MSD1												
Trichloroethene	38.4	51.6		ug/L	20.0	66%	35 - 146	21	31	5093549	NOI2052-01	09/24/05 04:20
Trichlorofluoromethane	ND	24.0		ug/L	20.0	120%	21 - 156	17	38	5093549	NOI2052-01	09/24/05 04:20
Vinyl chloride	ND	28.2		ug/L	20.0	141%	28 - 163	3	33	5093549	NOI2052-01	09/24/05 04:20
Surrogate: 2-Chloroprene		921		ug/L	1000	92%	40 - 112			5093549	NOI2052-01	09/24/05 04:20
Surrogate: 1-Chloro-3-fluorobenzene		1380	ZX	ug/L	1000	138%	85 - 105			5093549	NOI2052-01	09/24/05 04:20
Surrogate: 2-Chloropropane		1130	ZX	ug/L	1000	113%	55 - 109			5093549	NOI2052-01	09/24/05 04:20
5093715-MSD1												
Bromodichloromethane	ND	22.9		ug/L	20.0	114%	42 - 172	1	42	5093715	NOI2248-01	09/25/05 01:24
Bromoform	ND	19.4		ug/L	20.0	97%	13 - 159	2	41	5093715	NOI2248-01	09/25/05 01:24
Bromomethane	ND	28.2		ug/L	20.0	141%	1 - 144	12	51	5093715	NOI2248-01	09/25/05 01:24
Carbon Tetrachloride	ND	20.4		ug/L	20.0	102%	43 - 143	13	31	5093715	NOI2248-01	09/25/05 01:24
Chlorobenzene	ND	22.4		ug/L	20.0	112%	55 - 135	8	47	5093715	NOI2248-01	09/25/05 01:24
Chlorodibromomethane	ND	20.8		ug/L	20.0	104%	24 - 191	7	35	5093715	NOI2248-01	09/25/05 01:24
Chloroethane	ND	24.2		ug/L	20.0	121%	46 - 137	9	45	5093715	NOI2248-01	09/25/05 01:24
2-Chloroethylvinyl ether	ND	0.00	M8	ug/L	20.0	0%	14 - 186		37	5093715	NOI2248-01	09/25/05 01:24
Chloroform	ND	24.9		ug/L	20.0	124%	49 - 133	7	30	5093715	NOI2248-01	09/25/05 01:24
Chloromethane	ND	28.8		ug/L	20.0	144%	1 - 193	13	50	5093715	NOI2248-01	09/25/05 01:24
1,3-Dichlorobenzene	ND	19.4		ug/L	20.0	97%	50 - 141	8	37	5093715	NOI2248-01	09/25/05 01:24
1,4-Dichlorobenzene	ND	23.4		ug/L	20.0	117%	42 - 143	4	38	5093715	NOI2248-01	09/25/05 01:24
1,2-Dichlorobenzene	ND	21.7		ug/L	20.0	108%	37 - 154	4	30	5093715	NOI2248-01	09/25/05 01:24
1,1-Dichloroethane	ND	21.8		ug/L	20.0	109%	47 - 132	8	36	5093715	NOI2248-01	09/25/05 01:24
1,2-Dichloroethane	ND	21.3		ug/L	20.0	106%	51 - 147	1	32	5093715	NOI2248-01	09/25/05 01:24
trans-1,2-Dichloroethene	ND	20.7		ug/L	20.0	104%	38 - 155	6	34	5093715	NOI2248-01	09/25/05 01:24
1,1-Dichloroethene	ND	22.9		ug/L	20.0	114%	28 - 167	5	36	5093715	NOI2248-01	09/25/05 01:24
1,2-Dichloropropane	ND	20.4		ug/L	20.0	102%	44 - 156	1	36	5093715	NOI2248-01	09/25/05 01:24
cis-1,3-Dichloropropene	ND	20.1		ug/L	20.0	100%	22 - 178	2	34	5093715	NOI2248-01	09/25/05 01:24
trans-1,3-Dichloropropene	ND	19.3		ug/L	20.0	96%	22 - 178	9	38	5093715	NOI2248-01	09/25/05 01:24
Methylene Chloride	ND	23.5		ug/L	20.0	118%	25 - 162	0.9	38	5093715	NOI2248-01	09/25/05 01:24
1,1,2,2-Tetrachloroethane	ND	22.0		ug/L	20.0	110%	8 - 184	10	35	5093715	NOI2248-01	09/25/05 01:24
Tetrachloroethene	ND	22.7		ug/L	20.0	114%	26 - 162	17	38	5093715	NOI2248-01	09/25/05 01:24
1,1,1-Trichloroethane	ND	22.5		ug/L	20.0	112%	41 - 138	9	32	5093715	NOI2248-01	09/25/05 01:24
1,1,2-Trichloroethane	ND	23.1		ug/L	20.0	116%	39 - 136	2	39	5093715	NOI2248-01	09/25/05 01:24
Trichloroethene	0.974	21.2		ug/L	20.0	101%	35 - 146	16	31	5093715	NOI2248-01	09/25/05 01:24
Trichlorofluoromethane	ND	24.3		ug/L	20.0	122%	21 - 156	2	38	5093715	NOI2248-01	09/25/05 01:24
Vinyl chloride	ND	26.8		ug/L	20.0	134%	28 - 163	4	33	5093715	NOI2248-01	09/25/05 01:24
Surrogate: 2-Chloroprene		813		ug/L			40 - 112			5093715	NOI2248-01	09/25/05 01:24
Surrogate: 1-Chloro-3-fluorobenzene		1010		ug/L			85 - 105			5093715	NOI2248-01	09/25/05 01:24
Surrogate: 2-Chloropropane		1080		ug/L			55 - 109			5093715	NOI2248-01	09/25/05 01:24

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:	NOI2052
		Project Name:	Hart & Hickman
		Project Number:	GDR-006 / Goodrich-Delavan
Attn	Mike Crouch	Received:	09/21/05 07:50

CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	North Carolina
EPA 300.0	Water		X	X
EPA 601	Water		X	X
RSK 175	Water		X	N/A
SW846 9060	Water		X	X

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

Client	Hart & Hickman (2162)	Work Order:	NOI2052
	2923 South Tyron Street, Suite 100	Project Name:	Hart & Hickman
	Charlotte, NC 28203-5449	Project Number:	GDR-006 / Goodrich-Delavan
Attn	Mike Crouch	Received:	09/21/05 07:50

DATA QUALIFIERS AND DEFINITIONS

A-01	Analyte out of range height due to carryover. All samples will be confirmed for PCE.
H	Sample analysis performed past method-specified holding time.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L2	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
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).
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

Keystone
LABORATORIES, INC.

MEMBER ACIL

04 October 2005

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

RECEIVED
OCT 07 2005

RE: HRC Analysis
Goodrich-Delavan

Enclosed are the results of analyses for samples received by the laboratory on 09/21/05 10:25. If you have any questions concerning this report, please feel free to contact me at 1-800-858-5227.

Sincerely,

Jeffrey King

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.

MEMBER ACIL

Hart & Hickman	Project: HRC Analysis	
2923 South Tryon St., Suite 100	Project Number: Goodrich-Delavan	**Reported:**
Charlotte NC, 28203	Project Manager: Mike Crouch	10/04/05 14:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	15I0918-01	Water	09/20/05 13:45	09/21/05 10:25
MW-9	15I0918-02	Water	09/20/05 12:10	09/21/05 10:25
MW-10	15I0918-03	Water	09/20/05 11:15	09/21/05 10:25

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.

Jeffrey King

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: Mike Crouch	**Reported:** 10/04/05 14:27

MW-1
15I0918-01 (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	1J50316	09/30/05	09/30/05	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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Jeffrey King

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: Mike Crouch	**Reported:** 10/04/05 14:27

MW-9
15I0918-02 (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	1J50316	09/30/05	09/30/05	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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Jeffrey King

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.

MEMBER ACIL

Hart & Hickman 2923 South Tryon St., Suite 100 Charlotte NC, 28203	Project: HRC Analysis Project Number: Goodrich-Delavan Project Manager: Mike Crouch	**Reported:** 10/04/05 14:27

MW-10
15I0918-03 (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	1J50316	09/30/05	09/30/05	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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Jeffrey King

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: Mike Crouch	10/04/05 14:27

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 15J0305 - 1J50316										
Calibration Check (15J0305-CCV1)				Prepared & Analyzed: 09/30/05						
Pyruvic Acid (C3)	13.01		mg/l	13.00		100	80-120			
Lactic Acid (C3)	93.53		"	97.20		96.2	80-120			
Acetic Acid (C2)	106.7		"	106.0		101	80-120			
Propionic Acid (C3)	107.6		"	105.0		102	80-120			
Butyric Acid (C4)	104.9		"	106.0		99.0	80-120			
Calibration Check (15J0305-CCV2)				Prepared & Analyzed: 09/30/05						
Pyruvic Acid (C3)	13.18		mg/l	13.00		101	80-120			
Lactic Acid (C3)	91.55		"	97.20		94.2	80-120			
Acetic Acid (C2)	105.8		"	106.0		99.8	80-120			
Propionic Acid (C3)	109.2		"	105.0		104	80-120			
Butyric Acid (C4)	112.1		"	106.0		106	80-120			
Batch 1J50316 - General Prep HPLC/IC										
Blank (1J50316-BLK1)				Prepared & Analyzed: 09/30/05						
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 (1J50316-BS1)				Prepared & Analyzed: 09/30/05						
Pyruvic Acid (C3)	19.24	0.1	mg/l	19.00		101	73-138			
Lactic Acid (C3)	114.3	1.0	"	111.8		102	73-111			
Acetic Acid (C2)	111.9	1.0	"	107.6		104	89-121			
Propionic Acid (C3)	106.5	1.0	"	102.2		104	90-118			
Butyric Acid (C4)	111.0	1.0	"	104.7		106	83-126			

Keystone Laboratories, Inc. - Newton

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Jeffrey King

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: Mike Crouch	**Reported:** 10/04/05 14:27

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 1J50316 - General Prep HPLC/IC										
Matrix Spike (1J50316-MS1)		**Source: 15I0918-01**		Prepared & Analyzed: 09/30/05						
Pyruvic Acid (C3)	19.63	0.1	mg/l	19.00	ND	103	64-141			
Lactic Acid (C3)	107.7	1.0	"	111.8	ND	96.3	65-125			
Acetic Acid (C2)	108.7	1.0	"	107.6	ND	101	79-133			
Propionic Acid (C3)	105.9	1.0	"	102.2	ND	104	85-123			
Butyric Acid (C4)	101.6	1.0	"	104.7	ND	97.0	81-122			
Matrix Spike Dup (1J50316-MSD1)		**Source: 15I0918-01**		Prepared & Analyzed: 09/30/05						
Pyruvic Acid (C3)	19.27	0.1	mg/l	19.00	ND	101	64-141	1.85	13	
Lactic Acid (C3)	115.8	1.0	"	111.8	ND	104	65-125	7.25	20	
Acetic Acid (C2)	115.4	1.0	"	107.6	ND	107	79-133	5.98	21	
Propionic Acid (C3)	112.2	1.0	"	102.2	ND	110	85-123	5.78	16	
Butyric Acid (C4)	107.4	1.0	"	104.7	ND	103	81-122	5.55	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.

Jeffrey King

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: Mike Crouch	**Reported:** 10/04/05 14:27

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
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www.keystonelabs.com

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

PRINT OR TYPE INFORMATION BELOW

SAMPLER: SHANNON COTTRILL
SITE NAME: GOODRICH - DELAVAN
ADDRESS: HWY 301 SOUTH
CITY/ST/ZIP: BAMBERG, SC
PHONE: 704-586-0007

REPORT TO:
NAME: MIKE CROUCH
COMPANY NAME: HART & HICKMAN, PC
ADDRESS: 2923 S. TRYON STREET, 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: LABORATORY SAMPLE NUMBER
MW-1	9/20/05	1345	MW-1 WELLHEAD	1	GW	G	✓								01
MW-9	9/20/05	1210	MW-9 WELLHEAD	1	GW	G	✓								02
MW-10	9/20/05	1115	MW-10 WELLHEAD	1	GW	G	✓								03

LABORATORY WORK ORDER NO.: 15I0918

SAMPLE TEMPERATURE UPON RECEIPT: °C

SAMPLE CONDITION/COMMENTS:

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	Turn-Around
[signature]	Date 9/20/05 Time 1715			☒ Standard ☐ Rush _____ Contact Lab Prior to Submission
Relinquished by: (Signature)	Date / Time	Received for Lab by: (Signature)	Date 9-21-05 Time 10:25	Remarks: PLEASE E-MAIL RESULTS TO: scottrill@harthickman.com mcrouch@harthickman.com

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

FORM: CCR 7-97

Appendix E

Post-HRC Injection Laboratory Analytical Data (December 2005)

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

RECEIVED
JAN 06 2006

December 27, 2005

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

Work Order: NOL1529
Project Name: Goodrich - Delavan
Project Nbr: GDR-006
Date Received: 12/13/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NOL1529-01	12/12/05 14:15
MW-9	NOL1529-02	12/12/05 13:00
MW-10	NOL1529-03	12/12/05 12:00

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, 2 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:

Gail Lage
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)
2923 South Tyron Street, Suite 100
Charlotte, NC 28203-5449
Attn Mike Crouch

Work Order: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOL1529-01 (MW-1 - Water) Sampled: 12/12/05 14:15									
General Chemistry Parameters									
Chloride	**5.73**		mg/L	1.00	1	12/14/05 20:39	EPA 300 0	SKO	5122427
Nitrate as N	**1.65**		mg/L	0.100	1	12/14/05 04:33	EPA 300 0	SKO	5122427
Sulfate	ND		mg/L	1.00	1	12/14/05 20:39	EPA 300 0	SKO	5122427
Total Organic Carbon	**1.60**		mg/L	1.00	1	12/15/05 13:37	SW846 9060	SMP	5122942
Methane, Ethane, and Ethene by GC									
Methane	ND		ug/L	26.0	1	12/14/05 13:55	RSK 175	GMH	5122525
Surrogate: Acetylene (70-130%)	*96 %*					*12/14/05 13:55*	*RSK 175*	*GMH*	*5122525*
Volatile Organic Compounds by EPA Method 8260B									
Bromodichloromethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Bromoform	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Bromomethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Carbon Tetrachloride	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Chlorobenzene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Chlorodibromomethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Chloroethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Chloroform	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Chloromethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,4-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,3-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,2-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,1-Dichloroethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,2-Dichloroethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
cis-1,2-Dichloroethene	**11.4**		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,1-Dichloroethene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,2-Dichloropropane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Methylene Chloride	ND		ug/L	5.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Tetrachloroethene	**4750**		ug/L	50.0	50	12/24/05 07:41	SW846 8260B	ZZZ	5124950
1,1,2-Trichloroethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,1,1-Trichloroethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Trichloroethene	**35.6**		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Trichlorofluoromethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Vinyl chloride	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	*97 %*					*12/23/05 09:29*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	*101 %*					*12/24/05 07:41*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: Dibromofluoromethane (79-122%)	*94 %*					*12/23/05 09:29*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: Dibromofluoromethane (79-122%)	*100 %*					*12/24/05 07:41*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: Toluene-d8 (78-121%)	*110 %*					*12/23/05 09:29*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: Toluene-d8 (78-121%)	*108 %*					*12/24/05 07:41*	*SW846 8260B*	*ZZZ*	*5124950*

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

Client	Hart & Hickman (2162)	Work Order:	NOL1529
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOL1529-01 (MW-1 - Water) - cont. Sampled: 12/12/05 14:15									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Surrogate: 4-Bromofluorobenzene (78-126%)	*110 %*					*12/23/05 09:29*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: 4-Bromofluorobenzene (78-126%)	*109 %*					*12/24/05 07:41*	*SW846 8260B*	*ZZZ*	*5124950*
Sample ID: NOL1529-02 (MW-9 - Water) Sampled: 12/12/05 13:00									
General Chemistry Parameters									
Chloride	**2.42**		mg/L	1.00	1	12/14/05 21:30	EPA 300 0	SKO	5122427
Nitrate as N	**0.290**		mg/L	0.100	1	12/14/05 05:24	EPA 300 0	SKO	5122427
Sulfate	**3.43**		mg/L	1.00	1	12/14/05 21:30	EPA 300 0	SKO	5122427
Total Organic Carbon	**1.73**		mg/L	1.00	1	12/15/05 13:37	SW846 9060	SMP	5122942
Methane, Ethane, and Ethene by GC									
Methane	ND		ug/L	26.0	1	12/14/05 14:06	RSK 175	GMH	5122525
Surrogate: Acetylene (70-130%)	*116 %*					*12/14/05 14:06*	*RSK 175*	*GMH*	*5122525*
Volatile Organic Compounds by EPA Method 8260B									
Bromodichloromethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Bromoform	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Bromomethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Carbon Tetrachloride	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Chlorobenzene	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Chlorodibromomethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Chloroethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Chloroform	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Chloromethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,4-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,3-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,2-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,1-Dichloroethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,2-Dichloroethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
cis-1,2-Dichloroethene	**182**		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,1-Dichloroethene	**8.94**		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
trans-1,2-Dichloroethene	**1.37**		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,2-Dichloropropane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Methylene Chloride	ND		ug/L	5.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Tetrachloroethene	**3920**		ug/L	50.0	50	12/24/05 08:00	SW846 8260B	ZZZ	5124950
1,1,2-Trichloroethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,1,1-Trichloroethane	**2.05**		ug/L	1 00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Trichloroethene	**286**		ug/L	50.0	50	12/24/05 08:00	SW846 8260B	ZZZ	5124950
Trichlorofluoromethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Vinyl chloride	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	*101 %*					*12/23/05 09:48*	*SW846 8260B*	*ZZZ*	*5124183*

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Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOL1529-02RE1 (MW-9 - Water) - cont. Sampled: 12/12/05 13:00									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	*102 %*					*12/24/05 08:00*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: Dibromofluoromethane (79-122%)	*100 %*					*12/23/05 09:48*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: Dibromofluoromethane (79-122%)	*102 %*					*12/24/05 08:00*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: Toluene-d8 (78-121%)	*110 %*					*12/23/05 09:48*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: Toluene-d8 (78-121%)	*112 %*					*12/24/05 08:00*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: 4-Bromofluorobenzene (78-126%)	*106 %*					*12/23/05 09:48*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: 4-Bromofluorobenzene (78-126%)	*108 %*					*12/24/05 08:00*	*SW846 8260B*	*ZZZ*	*5124950*
Sample ID: NOL1529-03 (MW-10 - Water) Sampled: 12/12/05 12:00									
General Chemistry Parameters									
Chloride	ND		mg/L	1.00	1	12/16/05 01:36	EPA 300 0	SKO	5122427
Nitrate as N	**0.320**		mg/L	0.100	1	12/14/05 05:42	EPA 300 0	SKO	5122427
Sulfate	**4.28**		mg/L	1.00	1	12/16/05 01:56	EPA 300 0	SKO	5122427
Total Organic Carbon	ND		mg/L	1.00	1	12/15/05 13:37	SW846 9060	SMP	5122942
Methane, Ethane, and Ethene by GC									
Methane	ND		ug/L	26.0	1	12/14/05 14:08	RSK 175	GMH	5122525
Surrogate: Acetylene (70-130%)	*100 %*					*12/14/05 14:08*	*RSK 175*	*GMH*	*5122525*
Volatile Organic Compounds by EPA Method 8260B									
Bromodichloromethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Bromoform	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Bromomethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Carbon Tetrachloride	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Chlorobenzene	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Chlorodibromomethane	ND		ug/L	1.00	1	12/23/05 10.05	SW846 8260B	ZZZ	5124183
Chloroethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Chloroform	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Chloromethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,4-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,3-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,2-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,1-Dichloroethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,2-Dichloroethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
cis-1,2-Dichloroethene	**23.2**		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,1-Dichloroethene	**14.4**		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,2-Dichloropropane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Methylene Chloride	ND		ug/L	5.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Tetrachloroethene	**3050**		ug/L	50.0	50	12/24/05 08:18	SW846 8260B	ZZZ	5124950
1,1,2-Trichloroethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183

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	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOL1529-03 (MW-10 - Water) - cont. Sampled: 12/12/05 12:00									
Volatile Organic Compounds by EPA Method 8260B - cont.									
1,1,1-Trichloroethane	**11.7**		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Trichloroethene	**45.2**		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Trichlorofluoromethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Vinyl chloride	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	*97 %*					*12/23/05 10:05*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*12/24/05 08:18*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: Dibromofluoromethane (79-122%)	*95 %*					*12/23/05 10:05*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: Dibromofluoromethane (79-122%)	*100 %*					*12/24/05 08:18*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: Toluene-d8 (78-121%)	*110 %*					*12/23/05 10:05*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: Toluene-d8 (78-121%)	*107 %*					*12/24/05 08:18*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: 4-Bromofluorobenzene (78-126%)	*107 %*					*12/23/05 10:05*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: 4-Bromofluorobenzene (78-126%)	*110 %*					*12/24/05 08:18*	*SW846 8260B*	*ZZZ*	*5124950*

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		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
5122427-BLK1						
Chloride	<0.500		mg/L	5122427	5122427-BLK1	12/14/05 20:05
Nitrate as N	<0.0500		mg/L	5122427	5122427-BLK1	12/14/05 03:41
Sulfate	<0.500		mg/L	5122427	5122427-BLK1	12/14/05 20:05
5122942-BLK1						
Total Organic Carbon	<0.230		mg/L	5122942	5122942-BLK1	12/15/05 13:37
Methane, Ethane, and Ethene by GC						
5122525-BLK1						
Methane	<5.00		ug/L	5122525	5122525-BLK1	12/14/05 11:39
Surrogate: Acetylene	106%			5122525	5122525-BLK1	12/14/05 11:39
Volatile Organic Compounds by EPA Method 8260B						
5124183-BLK1						
Acetone	<5.91		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Benzene	<0.290		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Bromobenzene	<0.470		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Bromochloromethane	<0.420		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Bromodichloromethane	<0.380		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Bromoform	<0.500		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Bromomethane	<0.600		ug/L	5124183	5124183-BLK1	12/23/05 05:15
2-Butanone	<5.09		ug/L	5124183	5124183-BLK1	12/23/05 05:15
sec-Butylbenzene	<0.380		ug/L	5124183	5124183-BLK1	12/23/05 05:15
n-Butylbenzene	<0.460		ug/L	5124183	5124183-BLK1	12/23/05 05:15
tert-Butylbenzene	<0.390		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Carbon disulfide	<0.310		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Carbon Tetrachloride	<0.480		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Chlorobenzene	<0.320		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Chlorodibromomethane	<0.360		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Chloroethane	<0.500		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Chloroform	<0.380		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Chloromethane	<0.460		ug/L	5124183	5124183-BLK1	12/23/05 05:15
2-Chlorotoluene	<0.270		ug/L	5124183	5124183-BLK1	12/23/05 05:15
4-Chlorotoluene	<0.370		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2-Dibromo-3-chloropropane	<1.64		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2-Dibromoethane (EDB)	<0.380		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Dibromomethane	<0.570		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,4-Dichlorobenzene	<0.460		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,3-Dichlorobenzene	<0.360		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2-Dichlorobenzene	<0.370		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Dichlorodifluoromethane	<0.410		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1-Dichloroethane	<0.320		ug/L	5124183	5124183-BLK1	12/23/05 05:15

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	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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						
5124183-BLK1						
1,2-Dichloroethane	<0.280		ug/L	5124183	5124183-BLK1	12/23/05 05:15
cis-1,2-Dichloroethene	<0.390		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1-Dichloroethene	<0.450		ug/L	5124183	5124183-BLK1	12/23/05 05:15
trans-1,2-Dichloroethene	<0.340		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,3-Dichloropropane	<0.630		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2-Dichloropropane	<0.500		ug/L	5124183	5124183-BLK1	12/23/05 05:15
2,2-Dichloropropane	<0.660		ug/L	5124183	5124183-BLK1	12/23/05 05:15
cis-1,3-Dichloropropene	<0.450		ug/L	5124183	5124183-BLK1	12/23/05 05:15
trans-1,3-Dichloropropene	<0.490		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1-Dichloropropene	<0.510		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Ethylbenzene	<0.340		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Hexachlorobutadiene	<0.670		ug/L	5124183	5124183-BLK1	12/23/05 05:15
2-Hexanone	<2.53		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Isopropylbenzene	<0.340		ug/L	5124183	5124183-BLK1	12/23/05 05:15
p-Isopropyltoluene	<0.340		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Methyl tert-Butyl Ether	<0.320		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Methylene Chloride	<1.26		ug/L	5124183	5124183-BLK1	12/23/05 05:15
4-Methyl-2-pentanone	<4.25		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Naphthalene	<1.13		ug/L	5124183	5124183-BLK1	12/23/05 05:15
n-Propylbenzene	<0.370		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Styrene	<0.390		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1,1,2-Tetrachloroethane	<0.370		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1,2,2-Tetrachloroethane	<0.490		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Tetrachloroethene	<0.390		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Toluene	<0.280		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2,3-Trichlorobenzene	<0.560		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2,4-Trichlorobenzene	<0.790		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1,2-Trichloroethane	<0.420		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1,1-Trichloroethane	<0.400		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Trichloroethene	<0.450		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Trichlorofluoromethane	<0.480		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2,3-Trichloropropane	<0.560		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,3,5-Trimethylbenzene	<0.280		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2,4-Trimethylbenzene	<0.340		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Vinyl chloride	<0.430		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Xylenes, total	<0.820		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Surrogate: 1,2-Dichloroethane-d4	106%			5124183	5124183-BLK1	12/23/05 05:15
Surrogate: Dibromofluoromethane	103%			5124183	5124183-BLK1	12/23/05 05:15
Surrogate: Toluene-d8	107%			5124183	5124183-BLK1	12/23/05 05:15
Surrogate: 4-Bromofluorobenzene	107%			5124183	5124183-BLK1	12/23/05 05:15
5124183-BLK2						

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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:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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						
5124183-BLK2						
Acetone	<5.91		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Benzene	<0.290		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Bromobenzene	<0.470		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Bromochloromethane	<0.420		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Bromodichloromethane	<0.380		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Bromoform	<0.500		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Bromomethane	<0.600		ug/L	5124183	5124183-BLK2	12/23/05 05:33
2-Butanone	<5.09		ug/L	5124183	5124183-BLK2	12/23/05 05:33
sec-Butylbenzene	<0.380		ug/L	5124183	5124183-BLK2	12/23/05 05:33
n-Butylbenzene	<0.460		ug/L	5124183	5124183-BLK2	12/23/05 05:33
tert-Butylbenzene	<0.390		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Carbon disulfide	<0.310		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Carbon Tetrachloride	<0.480		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Chlorobenzene	<0.320		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Chlorodibromomethane	<0.360		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Chloroethane	<0.500		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Chloroform	<0.380		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Chloromethane	<0.460		ug/L	5124183	5124183-BLK2	12/23/05 05:33
2-Chlorotoluene	<0.270		ug/L	5124183	5124183-BLK2	12/23/05 05:33
4-Chlorotoluene	<0.370		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2-Dibromo-3-chloropropane	<1.64		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2-Dibromoethane (EDB)	<0.380		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Dibromomethane	<0.570		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,4-Dichlorobenzene	<0.460		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,3-Dichlorobenzene	<0.360		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2-Dichlorobenzene	<0.370		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Dichlorodifluoromethane	<0.410		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1-Dichloroethane	<0.320		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2-Dichloroethane	<0.280		ug/L	5124183	5124183-BLK2	12/23/05 05:33
cis-1,2-Dichloroethene	<0.390		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1-Dichloroethene	<0.450		ug/L	5124183	5124183-BLK2	12/23/05 05:33
trans-1,2-Dichloroethene	<0.340		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,3-Dichloropropane	<0.630		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2-Dichloropropane	<0.500		ug/L	5124183	5124183-BLK2	12/23/05 05:33
2,2-Dichloropropane	<0.660		ug/L	5124183	5124183-BLK2	12/23/05 05:33
cis-1,3-Dichloropropene	<0.450		ug/L	5124183	5124183-BLK2	12/23/05 05:33
trans-1,3-Dichloropropene	<0.490		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1-Dichloropropene	<0.510		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Ethylbenzene	<0.340		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Hexachlorobutadiene	<0.670		ug/L	5124183	5124183-BLK2	12/23/05 05:33
2-Hexanone	<2.53		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Isopropylbenzene	<0.340		ug/L	5124183	5124183-BLK2	12/23/05 05:33

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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: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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						
5124183-BLK2						
p-Isopropyltoluene	<0 340		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Methyl tert-Butyl Ether	<0.320		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Methylene Chloride	<1.26		ug/L	5124183	5124183-BLK2	12/23/05 05:33
4-Methyl-2-pentanone	<4.25		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Naphthalene	<1.13		ug/L	5124183	5124183-BLK2	12/23/05 05:33
n-Propylbenzene	<0.370		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Styrene	<0 390		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1,1,2-Tetrachloroethane	<0.370		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1,2,2-Tetrachloroethane	<0.490		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Tetrachloroethene	<0.390		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Toluene	<0.280		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2,3-Trichlorobenzene	<0.560		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2,4-Trichlorobenzene	<0.790		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1,2-Trichloroethane	<0.420		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1,1-Trichloroethane	<0.400		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Trichloroethene	<0.450		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Trichlorofluoromethane	<0.480		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2,3-Trichloropropane	<0.560		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,3,5-Trimethylbenzene	<0.280		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2,4-Trimethylbenzene	<0.340		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Vinyl chloride	<0.430		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Xylenes, total	<0.820		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Surrogate: 1,2-Dichloroethane-d4	105%			5124183	5124183-BLK2	12/23/05 05:33
Surrogate: Dibromofluoromethane	103%			5124183	5124183-BLK2	12/23/05 05:33
Surrogate: Toluene-d8	110%			5124183	5124183-BLK2	12/23/05 05:33
Surrogate: 4-Bromofluorobenzene	106%			5124183	5124183-BLK2	12/23/05 05:33
5124950-BLK1						
Acetone	<5.91		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Benzene	<0.290		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Bromobenzene	<0.470		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Bromochloromethane	<0.420		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Bromodichloromethane	<0.380		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Bromoform	<0.500		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Bromomethane	<0.600		ug/L	5124950	5124950-BLK1	12/24/05 05:34
2-Butanone	<5.09		ug/L	5124950	5124950-BLK1	12/24/05 05:34
sec-Butylbenzene	<0.380		ug/L	5124950	5124950-BLK1	12/24/05 05:34
n-Butylbenzene	<0.460		ug/L	5124950	5124950-BLK1	12/24/05 05:34
tert-Butylbenzene	<0.390		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Carbon disulfide	<0.310		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Carbon Tetrachloride	<0.480		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Chlorobenzene	<0.320		ug/L	5124950	5124950-BLK1	12/24/05 05:34

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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)	Work Order:	NOL1529
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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						
5124950-BLK1						
Chlorodibromomethane	<0.360		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Chloroethane	<0.500		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Chloroform	<0.380		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Chloromethane	<0.460		ug/L	5124950	5124950-BLK1	12/24/05 05:34
2-Chlorotoluene	<0.270		ug/L	5124950	5124950-BLK1	12/24/05 05:34
4-Chlorotoluene	<0.370		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2-Dibromo-3-chloropropane	<1.64		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2-Dibromoethane (EDB)	<0.380		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Dibromomethane	<0.570		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,4-Dichlorobenzene	<0.460		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,3-Dichlorobenzene	<0.360		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2-Dichlorobenzene	<0.370		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Dichlorodifluoromethane	<0.410		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,1-Dichloroethane	<0.320		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2-Dichloroethane	<0.280		ug/L	5124950	5124950-BLK1	12/24/05 05:34
cis-1,2-Dichloroethene	<0.390		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,1-Dichloroethene	<0.450		ug/L	5124950	5124950-BLK1	12/24/05 05:34
trans-1,2-Dichloroethene	<0.340		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,3-Dichloropropane	<0.630		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2-Dichloropropane	<0.500		ug/L	5124950	5124950-BLK1	12/24/05 05:34
2,2-Dichloropropane	<0.660		ug/L	5124950	5124950-BLK1	12/24/05 05:34
cis-1,3-Dichloropropene	<0.450		ug/L	5124950	5124950-BLK1	12/24/05 05:34
trans-1,3-Dichloropropene	<0.490		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,1-Dichloropropene	<0.510		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Ethylbenzene	<0.340		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Hexachlorobutadiene	<0.670		ug/L	5124950	5124950-BLK1	12/24/05 05:34
2-Hexanone	<2.53		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Isopropylbenzene	<0.340		ug/L	5124950	5124950-BLK1	12/24/05 05:34
p-Isopropyltoluene	<0.340		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Methyl tert-Butyl Ether	<0.320		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Methylene Chloride	<1.26		ug/L	5124950	5124950-BLK1	12/24/05 05:34
4-Methyl-2-pentanone	<4.25		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Naphthalene	<1.13		ug/L	5124950	5124950-BLK1	12/24/05 05:34
n-Propylbenzene	<0.370		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Styrene	<0.390		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,1,1,2-Tetrachloroethane	<0.370		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,1,2,2-Tetrachloroethane	<0.490		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Tetrachloroethene	<0.390		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Toluene	<0.280		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2,3-Trichlorobenzene	<0.560		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2,4-Trichlorobenzene	<0.790		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,1,2-Trichloroethane	<0.420		ug/L	5124950	5124950-BLK1	12/24/05 05:34

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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)	Work Order:	NOL1529
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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						
5124950-BLK1						
1,1,1-Trichloroethane	<0.400		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Trichloroethene	<0.450		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Trichlorofluoromethane	<0.480		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2,3-Trichloropropane	<0.560		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,3,5-Trimethylbenzene	<0.280		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2,4-Trimethylbenzene	<0.340		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Vinyl chloride	<0.430		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Xylenes, total	<0.820		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Surrogate: 1,2-Dichloroethane-d4	101%			5124950	5124950-BLK1	12/24/05 05:34
Surrogate: Dibromofluoromethane	102%			5124950	5124950-BLK1	12/24/05 05:34
Surrogate: Toluene-d8	111%			5124950	5124950-BLK1	12/24/05 05:34
Surrogate: 4-Bromofluorobenzene	108%			5124950	5124950-BLK1	12/24/05 05:34

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: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 08:00

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
5122427-DUP1									
Chloride	ND	4.23		mg/L		20	5122427	NOL1529-03	12/14/05 22:04
Nitrate as N	0.320	0.320		mg/L	0	20	5122427	NOL1529-03	12/14/05 05:59
Sulfate	4.28	ND		mg/L		20	5122427	NOL1529-03	12/14/05 22:04
5122942-DUP1									
Total Organic Carbon	3.37	3.25		mg/L	4	20	5122942	NOL1765-02	12/15/05 13:37
5122942-DUP2									
Total Organic Carbon	5.12	5.10		mg/L	0.4	20	5122942	NOL1868-09	12/15/05 13:37

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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: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
5122427-BS1								
Chloride	3.00	3.16		ug/mL	105%	90 - 110	5122427	12/14/05 07:55
Nitrate as N	3.00	3.24		ug/mL	108%	90 - 110	5122427	12/14/05 04:16
Sulfate	15.0	15.2		ug/mL	101%	90 - 110	5122427	12/14/05 07:55
5122942-BS1								
Total Organic Carbon	200	184		mg/L	92%	87 - 110	5122942	12/15/05 13:37
Methane, Ethane, and Ethene by GC								
5122525-BS1								
Methane	1330	1360		ug/L	102%	79 - 121	5122525	12/14/05 11:53
Surrogate: Acetylene	4320	4370			101%	70 - 130	5122525	12/14/05 11:53
Volatile Organic Compounds by EPA Method 8260B								
5124183-BS1								
Acetone	250	251		ug/L	100%	28 - 157	5124183	12/23/05 03:44
Benzene	50.0	50.2		ug/L	100%	78 - 122	5124183	12/23/05 03:44
Bromobenzene	50.0	49.0		ug/L	98%	77 - 122	5124183	12/23/05 03:44
Bromochloromethane	50.0	48.1		ug/L	96%	74 - 130	5124183	12/23/05 03:44
Bromodichloromethane	50.0	48.8		ug/L	98%	71 - 134	5124183	12/23/05 03:44
Bromoform	50.0	41.8		ug/L	84%	44 - 140	5124183	12/23/05 03:44
Bromomethane	50.0	61.0		ug/L	122%	49 - 157	5124183	12/23/05 03:44
2-Butanone	250	249		ug/L	100%	54 - 151	5124183	12/23/05 03:44
sec-Butylbenzene	50.0	48.0		ug/L	96%	75 - 131	5124183	12/23/05 03:44
n-Butylbenzene	50.0	48.9		ug/L	98%	69 - 137	5124183	12/23/05 03:44
tert-Butylbenzene	50.0	48.9		ug/L	98%	74 - 129	5124183	12/23/05 03:44
Carbon disulfide	50.0	45.7		ug/L	91%	64 - 139	5124183	12/23/05 03:44
Carbon Tetrachloride	50.0	50.8		ug/L	102%	63 - 140	5124183	12/23/05 03:44
Chlorobenzene	50.0	49.0		ug/L	98%	83 - 118	5124183	12/23/05 03:44
Chlorodibromomethane	50.0	48.4		ug/L	97%	69 - 128	5124183	12/23/05 03:44
Chloroethane	50.0	48.6		ug/L	97%	57 - 142	5124183	12/23/05 03:44
Chloroform	50.0	48.4		ug/L	97%	72 - 128	5124183	12/23/05 03:44
Chloromethane	50.0	42.3		ug/L	85%	37 - 158	5124183	12/23/05 03:44
2-Chlorotoluene	50.0	48.4		ug/L	97%	74 - 131	5124183	12/23/05 03:44
4-Chlorotoluene	50.0	48.6		ug/L	97%	77 - 128	5124183	12/23/05 03:44
1,2-Dibromo-3-chloropropane	50.0	48.0		ug/L	96%	54 - 130	5124183	12/23/05 03:44
1,2-Dibromoethane (EDB)	50.0	50.8		ug/L	102%	76 - 128	5124183	12/23/05 03:44
Dibromomethane	50.0	50.0		ug/L	100%	74 - 129	5124183	12/23/05 03:44
1,4-Dichlorobenzene	50.0	48.7		ug/L	97%	80 - 119	5124183	12/23/05 03:44
1,3-Dichlorobenzene	50.0	48.2		ug/L	96%	81 - 124	5124183	12/23/05 03:44
1,2-Dichlorobenzene	50.0	49.0		ug/L	98%	82 - 123	5124183	12/23/05 03:44
Dichlorodifluoromethane	50.0	43.9		ug/L	88%	30 - 161	5124183	12/23/05 03:44
1,1-Dichloroethane	50.0	49.7		ug/L	99%	72 - 130	5124183	12/23/05 03:44

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: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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								
5124183-BS1								
1,2-Dichloroethane	50.0	50.2		ug/L	100%	65 - 137	5124183	12/23/05 03:44
cis-1,2-Dichloroethene	50.0	49.9		ug/L	100%	71 - 131	5124183	12/23/05 03:44
1,1-Dichloroethene	50.0	50.8		ug/L	102%	68 - 133	5124183	12/23/05 03:44
trans-1,2-Dichloroethene	50.0	49.9		ug/L	100%	70 - 132	5124183	12/23/05 03:44
1,3-Dichloropropane	50.0	49.8		ug/L	100%	81 - 121	5124183	12/23/05 03:44
1,2-Dichloropropane	50.0	50.2		ug/L	100%	76 - 128	5124183	12/23/05 03:44
2,2-Dichloropropane	50.0	44.0		ug/L	88%	35 - 159	5124183	12/23/05 03:44
cis-1,3-Dichloropropene	50.0	48.9		ug/L	98%	61 - 138	5124183	12/23/05 03:44
trans-1,3-Dichloropropene	50.0	48.8		ug/L	98%	57 - 130	5124183	12/23/05 03:44
1,1-Dichloropropene	50.0	51.7		ug/L	103%	76 - 127	5124183	12/23/05 03:44
Ethylbenzene	50.0	46.3		ug/L	93%	82 - 122	5124183	12/23/05 03:44
Hexachlorobutadiene	50.0	46.1		ug/L	92%	66 - 137	5124183	12/23/05 03:44
2-Hexanone	250	250		ug/L	100%	63 - 138	5124183	12/23/05 03:44
Isopropylbenzene	50.0	48.7		ug/L	97%	75 - 130	5124183	12/23/05 03:44
p-Isopropyltoluene	50.0	48.1		ug/L	96%	76 - 133	5124183	12/23/05 03:44
Methyl tert-Butyl Ether	50.0	49.9		ug/L	100%	65 - 144	5124183	12/23/05 03:44
Methylene Chloride	50.0	51.5		ug/L	103%	74 - 133	5124183	12/23/05 03:44
4-Methyl-2-pentanone	250	255		ug/L	102%	74 - 132	5124183	12/23/05 03:44
Naphthalene	50.0	50.4		ug/L	101%	64 - 144	5124183	12/23/05 03:44
n-Propylbenzene	50.0	44.6		ug/L	89%	76 - 129	5124183	12/23/05 03:44
Styrene	50.0	49.8		ug/L	100%	76 - 130	5124183	12/23/05 03:44
1,1,1,2-Tetrachloroethane	50.0	48.6		ug/L	97%	77 - 128	5124183	12/23/05 03:44
1,1,2,2-Tetrachloroethane	50.0	54.9		ug/L	110%	70 - 129	5124183	12/23/05 03:44
Tetrachloroethene	50.0	48.8		ug/L	98%	77 - 124	5124183	12/23/05 03:44
Toluene	50.0	50.0		ug/L	100%	80 - 120	5124183	12/23/05 03:44
1,2,3-Trichlorobenzene	50.0	48.8		ug/L	98%	69 - 140	5124183	12/23/05 03:44
1,2,4-Trichlorobenzene	50.0	49.0		ug/L	98%	68 - 135	5124183	12/23/05 03:44
1,1,2-Trichloroethane	50.0	49.8		ug/L	100%	83 - 120	5124183	12/23/05 03:44
1,1,1-Trichloroethane	50.0	50.8		ug/L	102%	68 - 135	5124183	12/23/05 03:44
Trichloroethene	50.0	50.5		ug/L	101%	72 - 135	5124183	12/23/05 03:44
Trichlorofluoromethane	50.0	65.3		ug/L	131%	57 - 142	5124183	12/23/05 03:44
1,2,3-Trichloropropane	50.0	50.9		ug/L	102%	68 - 129	5124183	12/23/05 03:44
1,3,5-Trimethylbenzene	50.0	48.5		ug/L	97%	78 - 129	5124183	12/23/05 03:44
1,2,4-Trimethylbenzene	50.0	48.3		ug/L	97%	78 - 126	5124183	12/23/05 03:44
Vinyl chloride	50.0	55.8		ug/L	112%	52 - 143	5124183	12/23/05 03:44
Xylenes, total	150	135		ug/L	90%	81 - 125	5124183	12/23/05 03:44
Surrogate: 1,2-Dichloroethane-d4	50.0	51.9			104%	70 - 130	5124183	12/23/05 03:44
Surrogate: Dibromofluoromethane	50.0	52.1			104%	79 - 122	5124183	12/23/05 03:44
Surrogate: Toluene-d8	50.0	53.6			107%	78 - 121	5124183	12/23/05 03:44
Surrogate: 4-Bromofluorobenzene	50.0	51.9			104%	78 - 126	5124183	12/23/05 03:44

5124183-BS2

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

Work Order: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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								
5124183-BS2								
Acetone	250	256		ug/L	102%	28 - 157	5124183	12/22/05 15:44
Benzene	50.0	49.2		ug/L	98%	78 - 122	5124183	12/22/05 15:44
Bromobenzene	50.0	49.4		ug/L	99%	77 - 122	5124183	12/22/05 15:44
Bromochloromethane	50.0	47.8		ug/L	96%	74 - 130	5124183	12/22/05 15:44
Bromodichloromethane	50.0	49.9		ug/L	100%	71 - 134	5124183	12/22/05 15:44
Bromoform	50.0	47.0		ug/L	94%	44 - 140	5124183	12/22/05 15:44
Bromomethane	50.0	61.0		ug/L	122%	49 - 157	5124183	12/22/05 15:44
2-Butanone	250	254		ug/L	102%	54 - 151	5124183	12/22/05 15:44
sec-Butylbenzene	50.0	49.5		ug/L	99%	75 - 131	5124183	12/22/05 15:44
n-Butylbenzene	50.0	51.4		ug/L	103%	69 - 137	5124183	12/22/05 15:44
tert-Butylbenzene	50.0	49.4		ug/L	99%	74 - 129	5124183	12/22/05 15:44
Carbon disulfide	50.0	46.2		ug/L	92%	64 - 139	5124183	12/22/05 15:44
Carbon Tetrachloride	50.0	50.0		ug/L	100%	63 - 140	5124183	12/22/05 15:44
Chlorobenzene	50.0	49.4		ug/L	99%	83 - 118	5124183	12/22/05 15:44
Chlorodibromomethane	50.0	51.8		ug/L	104%	69 - 128	5124183	12/22/05 15:44
Chloroethane	50.0	46.2		ug/L	92%	57 - 142	5124183	12/22/05 15:44
Chloroform	50.0	47.8		ug/L	96%	72 - 128	5124183	12/22/05 15:44
Chloromethane	50.0	42.6		ug/L	85%	37 - 158	5124183	12/22/05 15:44
2-Chlorotoluene	50.0	48.8		ug/L	98%	74 - 131	5124183	12/22/05 15:44
4-Chlorotoluene	50.0	48.7		ug/L	97%	77 - 128	5124183	12/22/05 15:44
1,2-Dibromo-3-chloropropane	50.0	50.8		ug/L	102%	54 - 130	5124183	12/22/05 15:44
1,2-Dibromoethane (EDB)	50.0	52.6		ug/L	105%	76 - 128	5124183	12/22/05 15:44
Dibromomethane	50.0	49.1		ug/L	98%	74 - 129	5124183	12/22/05 15:44
1,4-Dichlorobenzene	50.0	49.8		ug/L	100%	80 - 119	5124183	12/22/05 15:44
1,3-Dichlorobenzene	50.0	49.9		ug/L	100%	81 - 124	5124183	12/22/05 15:44
1,2-Dichlorobenzene	50.0	49.7		ug/L	99%	82 - 123	5124183	12/22/05 15:44
Dichlorodifluoromethane	50.0	43.1		ug/L	86%	30 - 161	5124183	12/22/05 15:44
1,1-Dichloroethane	50.0	49.1		ug/L	98%	72 - 130	5124183	12/22/05 15:44
1,2-Dichloroethane	50.0	49.5		ug/L	99%	65 - 137	5124183	12/22/05 15:44
cis-1,2-Dichloroethene	50.0	49.6		ug/L	99%	71 - 131	5124183	12/22/05 15:44
1,1-Dichloroethene	50.0	48.4		ug/L	97%	68 - 133	5124183	12/22/05 15:44
trans-1,2-Dichloroethene	50.0	49.7		ug/L	99%	70 - 132	5124183	12/22/05 15:44
1,3-Dichloropropane	50.0	52.8		ug/L	106%	81 - 121	5124183	12/22/05 15:44
1,2-Dichloropropane	50.0	49.9		ug/L	100%	76 - 128	5124183	12/22/05 15:44
2,2-Dichloropropane	50.0	49.0		ug/L	98%	35 - 159	5124183	12/22/05 15:44
cis-1,3-Dichloropropene	50.0	53.4		ug/L	107%	61 - 138	5124183	12/22/05 15:44
trans-1,3-Dichloropropene	50.0	51.9		ug/L	104%	57 - 130	5124183	12/22/05 15:44
1,1-Dichloropropene	50.0	50.5		ug/L	101%	76 - 127	5124183	12/22/05 15:44
Ethylbenzene	50.0	49.2		ug/L	98%	82 - 122	5124183	12/22/05 15:44
Hexachlorobutadiene	50.0	50.0		ug/L	100%	66 - 137	5124183	12/22/05 15:44
2-Hexanone	250	260		ug/L	104%	63 - 138	5124183	12/22/05 15:44

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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: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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								
5124183-BS2								
Isopropylbenzene	50.0	52.1		ug/L	104%	75 - 130	5124183	12/22/05 15:44
p-Isopropyltoluene	50.0	50.4		ug/L	101%	76 - 133	5124183	12/22/05 15:44
Methyl tert-Butyl Ether	50.0	50.8		ug/L	102%	65 - 144	5124183	12/22/05 15:44
Methylene Chloride	50.0	51.4		ug/L	103%	74 - 133	5124183	12/22/05 15:44
4-Methyl-2-pentanone	250	267		ug/L	107%	74 - 132	5124183	12/22/05 15:44
Naphthalene	50.0	50.7		ug/L	101%	64 - 144	5124183	12/22/05 15:44
n-Propylbenzene	50.0	45.7		ug/L	91%	76 - 129	5124183	12/22/05 15:44
Styrene	50.0	52.2		ug/L	104%	76 - 130	5124183	12/22/05 15:44
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/L	100%	77 - 128	5124183	12/22/05 15:44
1,1,2,2-Tetrachloroethane	50.0	53.6		ug/L	107%	70 - 129	5124183	12/22/05 15:44
Tetrachloroethene	50.0	51.6		ug/L	103%	77 - 124	5124183	12/22/05 15:44
Toluene	50.0	51.4		ug/L	103%	80 - 120	5124183	12/22/05 15:44
1,2,3-Trichlorobenzene	50.0	50.5		ug/L	101%	69 - 140	5124183	12/22/05 15:44
1,2,4-Trichlorobenzene	50.0	51.4		ug/L	103%	68 - 135	5124183	12/22/05 15:44
1,1,2-Trichloroethane	50.0	52.5		ug/L	105%	83 - 120	5124183	12/22/05 15:44
1,1,1-Trichloroethane	50.0	50.0		ug/L	100%	68 - 135	5124183	12/22/05 15:44
Trichloroethene	50.0	49.6		ug/L	99%	72 - 135	5124183	12/22/05 15:44
Trichlorofluoromethane	50.0	64.0		ug/L	128%	57 - 142	5124183	12/22/05 15:44
1,2,3-Trichloropropane	50.0	51.7		ug/L	103%	68 - 129	5124183	12/22/05 15:44
1,3,5-Trimethylbenzene	50.0	49.5		ug/L	99%	78 - 129	5124183	12/22/05 15:44
1,2,4-Trimethylbenzene	50.0	49.3		ug/L	99%	78 - 126	5124183	12/22/05 15:44
Vinyl chloride	50.0	54.1		ug/L	108%	52 - 143	5124183	12/22/05 15:44
Xylenes, total	150	144		ug/L	96%	81 - 125	5124183	12/22/05 15:44
Surrogate: 1,2-Dichloroethane-d4	50.0	52.6			105%	70 - 130	5124183	12/22/05 15:44
Surrogate: Dibromofluoromethane	50.0	52.0			104%	79 - 122	5124183	12/22/05 15:44
Surrogate: Toluene-d8	50.0	55.5			111%	78 - 121	5124183	12/22/05 15:44
Surrogate: 4-Bromofluorobenzene	50.0	52.8			106%	78 - 126	5124183	12/22/05 15:44
5124950-BS1								
Acetone	250	282		ug/L	113%	28 - 157	5124950	12/24/05 15:55
Benzene	50.0	52.8		ug/L	106%	78 - 122	5124950	12/24/05 15:55
Bromobenzene	50.0	48.8		ug/L	98%	77 - 122	5124950	12/24/05 15:55
Bromochloromethane	50.0	47.2		ug/L	94%	74 - 130	5124950	12/24/05 15:55
Bromodichloromethane	50.0	47.5		ug/L	95%	71 - 134	5124950	12/24/05 15:55
Bromoform	50.0	40.3		ug/L	81%	44 - 140	5124950	12/24/05 15:55
Bromomethane	50.0	74.5		ug/L	149%	49 - 157	5124950	12/24/05 15:55
2-Butanone	250	256		ug/L	102%	54 - 151	5124950	12/24/05 15:55
sec-Butylbenzene	50.0	53.4		ug/L	107%	75 - 131	5124950	12/24/05 15:55
n-Butylbenzene	50.0	58.5		ug/L	117%	69 - 137	5124950	12/24/05 15:55
tert-Butylbenzene	50.0	50.3		ug/L	101%	74 - 129	5124950	12/24/05 15:55
Carbon disulfide	50.0	49.0		ug/L	98%	64 - 139	5124950	12/24/05 15:55
Carbon Tetrachloride	50.0	49.3		ug/L	99%	63 - 140	5124950	12/24/05 15:55

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: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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								
5124950-BS1								
Chlorobenzene	50.0	52.2		ug/L	104%	83 - 118	5124950	12/24/05 15:55
Chlorodibromomethane	50.0	46.2		ug/L	92%	69 - 128	5124950	12/24/05 15:55
Chloroethane	50.0	51.8		ug/L	104%	57 - 142	5124950	12/24/05 15:55
Chloroform	50.0	48.4		ug/L	97%	72 - 128	5124950	12/24/05 15:55
Chloromethane	50.0	47.1		ug/L	94%	37 - 158	5124950	12/24/05 15:55
2-Chlorotoluene	50.0	51.9		ug/L	104%	74 - 131	5124950	12/24/05 15:55
4-Chlorotoluene	50.0	52.4		ug/L	105%	77 - 128	5124950	12/24/05 15:55
1,2-Dibromo-3-chloropropane	50.0	46.5		ug/L	93%	54 - 130	5124950	12/24/05 15:55
1,2-Dibromoethane (EDB)	50.0	49.7		ug/L	99%	76 - 128	5124950	12/24/05 15:55
Dibromomethane	50.0	48.6		ug/L	97%	74 - 129	5124950	12/24/05 15:55
1,4-Dichlorobenzene	50.0	50.5		ug/L	101%	80 - 119	5124950	12/24/05 15:55
1,3-Dichlorobenzene	50.0	49.1		ug/L	98%	81 - 124	5124950	12/24/05 15:55
1,2-Dichlorobenzene	50.0	50.5		ug/L	101%	82 - 123	5124950	12/24/05 15:55
Dichlorodifluoromethane	50.0	43.4		ug/L	87%	30 - 161	5124950	12/24/05 15:55
1,1-Dichloroethane	50.0	49.6		ug/L	99%	72 - 130	5124950	12/24/05 15.55
1,2-Dichloroethane	50.0	47.6		ug/L	95%	65 - 137	5124950	12/24/05 15:55
cis-1,2-Dichloroethene	50.0	49.3		ug/L	99%	71 - 131	5124950	12/24/05 15:55
1,1-Dichloroethene	50.0	45.5		ug/L	91%	68 - 133	5124950	12/24/05 15:55
trans-1,2-Dichloroethene	50.0	49.8		ug/L	100%	70 - 132	5124950	12/24/05 15:55
1,3-Dichloropropane	50.0	48.0		ug/L	96%	81 - 121	5124950	12/24/05 15:55
1,2-Dichloropropane	50.0	48.8		ug/L	98%	76 - 128	5124950	12/24/05 15:55
2,2-Dichloropropane	50.0	48.4		ug/L	97%	35 - 159	5124950	12/24/05 15:55
cis-1,3-Dichloropropene	50.0	48.0		ug/L	96%	61 - 138	5124950	12/24/05 15:55
trans-1,3-Dichloropropene	50.0	45.2		ug/L	90%	57 - 130	5124950	12/24/05 15:55
1,1-Dichloropropene	50.0	53.6		ug/L	107%	76 - 127	5124950	12/24/05 15:55
Ethylbenzene	50.0	51.7		ug/L	103%	82 - 122	5124950	12/24/05 15:55
Hexachlorobutadiene	50.0	55.8		ug/L	112%	66 - 137	5124950	12/24/05 15:55
2-Hexanone	250	236		ug/L	94%	63 - 138	5124950	12/24/05 15:55
Isopropylbenzene	50.0	50.8		ug/L	102%	75 - 130	5124950	12/24/05 15:55
p-Isopropyltoluene	50.0	52.5		ug/L	105%	76 - 133	5124950	12/24/05 15:55
Methyl tert-Butyl Ether	50.0	43.3		ug/L	87%	65 - 144	5124950	12/24/05 15:55
Methylene Chloride	50.0	52.3		ug/L	105%	74 - 133	5124950	12/24/05 15:55
4-Methyl-2-pentanone	250	244		ug/L	98%	74 - 132	5124950	12/24/05 15:55
Naphthalene	50.0	50.9		ug/L	102%	64 - 144	5124950	12/24/05 15:55
n-Propylbenzene	50.0	49.7		ug/L	99%	76 - 129	5124950	12/24/05 15:55
Styrene	50.0	54.8		ug/L	110%	76 - 130	5124950	12/24/05 15:55
1,1,1,2-Tetrachloroethane	50.0	48.6		ug/L	97%	77 - 128	5124950	12/24/05 15:55
1,1,2,2-Tetrachloroethane	50.0	51.7		ug/L	103%	70 - 129	5124950	12/24/05 15:55
Tetrachloroethene	50.0	50.5		ug/L	101%	77 - 124	5124950	12/24/05 15:55
Toluene	50.0	50.8		ug/L	102%	80 - 120	5124950	12/24/05 15:55
1,2,3-Trichlorobenzene	50.0	50.4		ug/L	101%	69 - 140	5124950	12/24/05 15:55

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Client Hart & Hickman (2162)
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Charlotte, NC 28203-5449
Attn Mike Crouch

Work Order: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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								
5124950-BS1								
1,2,4-Trichlorobenzene	50.0	51.2		ug/L	102%	68 - 135	5124950	12/24/05 15:55
1,1,2-Trichloroethane	50.0	48.3		ug/L	97%	83 - 120	5124950	12/24/05 15:55
1,1,1-Trichloroethane	50.0	48.6		ug/L	97%	68 - 135	5124950	12/24/05 15:55
Trichloroethene	50.0	50.6		ug/L	101%	72 - 135	5124950	12/24/05 15:55
Trichlorofluoromethane	50.0	62.2		ug/L	124%	57 - 142	5124950	12/24/05 15:55
1,2,3-Trichloropropane	50.0	108	L	ug/L	216%	68 - 129	5124950	12/24/05 15:55
1,3,5-Trimethylbenzene	50.0	52.7		ug/L	105%	78 - 129	5124950	12/24/05 15:55
1,2,4-Trimethylbenzene	50.0	49.8		ug/L	100%	78 - 126	5124950	12/24/05 15:55
Vinyl chloride	50.0	58.7		ug/L	117%	52 - 143	5124950	12/24/05 15:55
Xylenes, total	150	152		ug/L	101%	81 - 125	5124950	12/24/05 15:55
Surrogate: 1,2-Dichloroethane-d4	50.0	50.6			101%	70 - 130	5124950	12/24/05 15:55
Surrogate: Dibromofluoromethane	50.0	49.2			98%	79 - 122	5124950	12/24/05 15:55
Surrogate: Toluene-d8	50.0	53.2			106%	78 - 121	5124950	12/24/05 15:55
Surrogate: 4-Bromofluorobenzene	50.0	50.9			102%	78 - 126	5124950	12/24/05 15:55

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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: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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										
5122427-MS1										
Chloride	5.73	8.67		ug/mL	3.00	98%	80 - 120	5122427	NOL1529-01	12/14/05 20:56
Nitrate as N	1.65	4.68		ug/mL	3.00	101%	80 - 120	5122427	NOL1529-01	12/14/05 04:50
Sulfate	0.0700	15.9		ug/mL	15.0	106%	80 - 120	5122427	NOL1529-01	12/14/05 20:56
5122942-MS1										
Total Organic Carbon	1.60	21.0		ug/mL	20.0	97%	75 - 137	5122942	NOL1529-01	12/15/05 13:37
Methane, Ethane, and Ethene by GC										
5122525-MS1										
Methane	354	1730		ug/L	1330	103%	62 - 132	5122525	NOL1528-01	12/14/05 11:42
Surrogate: Acetylene		2160		ug/L	2160	100%	70 - 130	5122525	NOL1528-01	12/14/05 11:42
Volatile Organic Compounds by EPA Method 8260B										
5124183-MS1										
Acetone	ND	279		ug/L	250	112%	11 - 157	5124183	NOL1733-03	12/23/05 14:56
Benzene	ND	54.8		ug/L	50 0	110%	74 - 133	5124183	NOL1733-03	12/23/05 14:56
Bromobenzene	ND	40.0		ug/L	50.0	80%	71 - 129	5124183	NOL1733-03	12/23/05 14:56
Bromochloromethane	ND	50.1		ug/L	50.0	100%	73 - 134	5124183	NOL1733-03	12/23/05 14:56
Bromodichloromethane	ND	51.4		ug/L	50.0	103%	67 - 138	5124183	NOL1733-03	12/23/05 14:56
Bromoform	ND	37.6		ug/L	50.0	75%	37 - 140	5124183	NOL1733-03	12/23/05 14:56
Bromomethane	ND	49.6		ug/L	50.0	99%	29 - 171	5124183	NOL1733-03	12/23/05 14:56
2-Butanone	ND	275		ug/L	250	110%	50 - 151	5124183	NOL1733-03	12/23/05 14:56
sec-Butylbenzene	ND	24.6	M8	ug/L	50.0	49%	68 - 139	5124183	NOL1733-03	12/23/05 14:56
n-Butylbenzene	ND	20.3	M8	ug/L	50.0	41%	58 - 146	5124183	NOL1733-03	12/23/05 14:56
tert-Butylbenzene	ND	29.0	M8	ug/L	50.0	58%	67 - 137	5124183	NOL1733-03	12/23/05 14:56
Carbon disulfide	0.770	53.4		ug/L	50.0	105%	50 - 147	5124183	NOL1733-03	12/23/05 14:56
Carbon Tetrachloride	ND	48.3		ug/L	50.0	97%	56 - 147	5124183	NOL1733-03	12/23/05 14:56
Chlorobenzene	ND	47.2		ug/L	50.0	94%	79 - 124	5124183	NOL1733-03	12/23/05 14:56
Chlorodibromomethane	ND	45.5		ug/L	50.0	91%	62 - 130	5124183	NOL1733-03	12/23/05 14:56
Chloroethane	ND	54.1		ug/L	50.0	108%	47 - 160	5124183	NOL1733-03	12/23/05 14:56
Chloroform	ND	52.4		ug/L	50.0	105%	71 - 134	5124183	NOL1733-03	12/23/05 14:56
Chloromethane	ND	52.1		ug/L	50.0	104%	22 - 177	5124183	NOL1733-03	12/23/05 14:56
2-Chlorotoluene	ND	36.4		ug/L	50.0	73%	63 - 143	5124183	NOL1733-03	12/23/05 14:56
4-Chlorotoluene	ND	37.6		ug/L	50.0	75%	67 - 139	5124183	NOL1733-03	12/23/05 14:56
1,2-Dibromo-3-chloropropane	ND	46.3		ug/L	50.0	93%	47 - 133	5124183	NOL1733-03	12/23/05 14:56
1,2-Dibromoethane (EDB)	ND	52.1		ug/L	50.0	104%	72 - 133	5124183	NOL1733-03	12/23/05 14:56
Dibromomethane	ND	53.9		ug/L	50.0	108%	70 - 135	5124183	NOL1733-03	12/23/05 14:56
1,4-Dichlorobenzene	ND	34.7	M8	ug/L	50.0	69%	72 - 126	5124183	NOL1733-03	12/23/05 14:56

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

Work Order: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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										
5124183-MS1										
1,3-Dichlorobenzene	ND	33.6	M8	ug/L	50.0	67%	72 - 133	5124183	NOL1733-03	12/23/05 14:56
1,2-Dichlorobenzene	ND	34.0	M8	ug/L	50.0	68%	73 - 131	5124183	NOL1733-03	12/23/05 14:56
Dichlorodifluoromethane	ND	42.6		ug/L	50.0	85%	11 - 182	5124183	NOL1733-03	12/23/05 14:56
1,1-Dichloroethane	ND	54.6		ug/L	50.0	109%	70 - 135	5124183	NOL1733-03	12/23/05 14:56
1,2-Dichloroethane	ND	51.3		ug/L	50.0	103%	62 - 140	5124183	NOL1733-03	12/23/05 14:56
cis-1,2-Dichloroethene	ND	53.5		ug/L	50.0	107%	67 - 137	5124183	NOL1733-03	12/23/05 14:56
1,1-Dichloroethene	ND	52.4		ug/L	50.0	105%	67 - 139	5124183	NOL1733-03	12/23/05 14:56
trans-1,2-Dichloroethene	ND	54.3		ug/L	50.0	109%	66 - 138	5124183	NOL1733-03	12/23/05 14:56
1,3-Dichloropropane	ND	50.4		ug/L	50.0	101%	76 - 126	5124183	NOL1733-03	12/23/05 14:56
1,2-Dichloropropane	ND	54.3		ug/L	50.0	109%	75 - 131	5124183	NOL1733-03	12/23/05 14:56
2,2-Dichloropropane	ND	45.4		ug/L	50.0	91%	13 - 166	5124183	NOL1733-03	12/23/05 14:56
cis-1,3-Dichloropropene	ND	48.9		ug/L	50.0	98%	53 - 139	5124183	NOL1733-03	12/23/05 14:56
trans-1,3-Dichloropropene	ND	45.9		ug/L	50.0	92%	51 - 130	5124183	NOL1733-03	12/23/05 14:56
1,1-Dichloropropene	ND	50.7		ug/L	50.0	101%	73 - 134	5124183	NOL1733-03	12/23/05 14:56
Ethylbenzene	ND	43.7		ug/L	50.0	87%	74 - 134	5124183	NOL1733-03	12/23/05 14:56
Hexachlorobutadiene	ND	6.03	M8	ug/L	50.0	12%	52 - 143	5124183	NOL1733-03	12/23/05 14:56
2-Hexanone	ND	288		ug/L	250	115%	58 - 138	5124183	NOL1733-03	12/23/05 14:56
Isopropylbenzene	ND	34.5		ug/L	50.0	69%	69 - 138	5124183	NOL1733-03	12/23/05 14:56
p-Isopropyltoluene	ND	25.1	M8	ug/L	50.0	50%	66 - 141	5124183	NOL1733-03	12/23/05 14:56
Methyl tert-Butyl Ether	1.00E9	1000000000	MHA	ug/L	50.0	0%	58 - 151	5124183	NOL1733-03	12/23/05 14:56
Methylene Chloride	ND	53.9		ug/L	50.0	108%	69 - 138	5124183	NOL1733-03	12/23/05 14:56
4-Methyl-2-pentanone	ND	292		ug/L	250	117%	66 - 137	5124183	NOL1733-03	12/23/05 14:56
Naphthalene	ND	35.4		ug/L	50.0	71%	47 - 154	5124183	NOL1733-03	12/23/05 14:56
n-Propylbenzene	ND	31.3	M8	ug/L	50.0	63%	67 - 140	5124183	NOL1733-03	12/23/05 14:56
Styrene	ND	45.0		ug/L	50.0	90%	64 - 138	5124183	NOL1733-03	12/23/05 14:56
1,1,1,2-Tetrachloroethane	ND	45.5		ug/L	50.0	91%	10 - 179	5124183	NOL1733-03	12/23/05 14:56
1,1,2,2-Tetrachloroethane	ND	49.6		ug/L	50.0	99%	65 - 134	5124183	NOL1733-03	12/23/05 14:56
Tetrachloroethene	ND	41.1		ug/L	50.0	82%	71 - 132	5124183	NOL1733-03	12/23/05 14:56
Toluene	0.330	49.2		ug/L	50.0	98%	73 - 133	5124183	NOL1733-03	12/23/05 14:56
1,2,3-Trichlorobenzene	ND	19.2	M8	ug/L	50.0	38%	57 - 142	5124183	NOL1733-03	12/23/05 14:56
1,2,4-Trichlorobenzene	ND	19.0	M8	ug/L	50.0	38%	56 - 139	5124183	NOL1733-03	12/23/05 14:56
1,1,2-Trichloroethane	ND	50.1		ug/L	50.0	100%	78 - 125	5124183	NOL1733-03	12/23/05 14:56
1,1,1-Trichloroethane	ND	51.4		ug/L	50.0	103%	66 - 142	5124183	NOL1733-03	12/23/05 14:56
Trichloroethene	ND	51.3		ug/L	50.0	103%	69 - 140	5124183	NOL1733-03	12/23/05 14:56
Trichlorofluoromethane	ND	50.5		ug/L	50.0	101%	57 - 149	5124183	NOL1733-03	12/23/05 14:56
1,2,3-Trichloropropane	ND	46.4		ug/L	50.0	93%	55 - 138	5124183	NOL1733-03	12/23/05 14:56
1,3,5-Trimethylbenzene	ND	32.6		ug/L	50.0	65%	65 - 140	5124183	NOL1733-03	12/23/05 14:56

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

Work Order: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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										
5124183-MS1										
1,2,4-Trimethylbenzene	ND	33.6		ug/L	50.0	67%	60 - 143	5124183	NOL1733-03	12/23/05 14:56
Vinyl chloride	ND	56.5		ug/L	50.0	113%	46 - 151	5124183	NOL1733-03	12/23/05 14:56
Xylenes, total	ND	126		ug/L	150	84%	68 - 139	5124183	NOL1733-03	12/23/05 14:56
Surrogate: 1,2-Dichloroethane-d4		52.4		ug/L	50.0	105%	70 - 130	5124183	NOL1733-03	12/23/05 14:56
Surrogate: Dibromofluoromethane		52.0		ug/L	50.0	104%	79 - 122	5124183	NOL1733-03	12/23/05 14:56
Surrogate: Toluene-d8		53.3		ug/L	50 0	107%	78 - 121	5124183	NOL1733-03	12/23/05 14:56
Surrogate: 4-Bromofluorobenzene		49.5		ug/L	50.0	99%	78 - 126	5124183	NOL1733-03	12/23/05 14:56

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Charlotte, NC 28203-5449
Attn Mike Crouch

Work Order: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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												
5122427-MSD1												
Chloride	5.73	8.36		ug/mL	3.00	88%	80 - 120	4	20	5122427	NOL1529-01	12/14/05 21:13
Nitrate as N	1.65	4.70		ug/mL	3.00	102%	80 - 120	0.4	20	5122427	NOL1529-01	12/14/05 05:07
Sulfate	0.0700	16.7		ug/mL	15.0	111%	80 - 120	5	20	5122427	NOL1529-01	12/14/05 21:13
5122942-MSD1												
Total Organic Carbon	1.60	21.3		ug/mL	20.0	98%	75 - 137	1	20	5122942	NOL1529-01	12/15/05 13:37
Methane, Ethane, and Ethene by GC												
5122525-MSD1												
Methane	354	1780		ug/L	1330	107%	62 - 132	4	26	5122525	NOL1528-01	12/14/05 11:48
Surrogate: Acetylene		2200		ug/L	2160	102%	70 - 130			5122525	NOL1528-01	12/14/05 11:48
Volatile Organic Compounds by EPA Method 8260B												
5124183-MSD1												
Acetone	ND	235		ug/L	250	94%	11 - 157	17	31	5124183	NOL1733-03	12/23/05 15:14
Benzene	ND	54.0		ug/L	50.0	108%	74 - 133	1	19	5124183	NOL1733-03	12/23/05 15:14
Bromobenzene	ND	46.0		ug/L	50.0	92%	71 - 129	14	19	5124183	NOL1733-03	12/23/05 15:14
Bromochloromethane	ND	51.9		ug/L	50.0	104%	73 - 134	4	19	5124183	NOL1733-03	12/23/05 15:14
Bromodichloromethane	ND	51.0		ug/L	50.0	102%	67 - 138	0.8	16	5124183	NOL1733-03	12/23/05 15:14
Bromoform	ND	35.7		ug/L	50.0	71%	37 - 140	5	19	5124183	NOL1733-03	12/23/05 15:14
Bromomethane	ND	41.9		ug/L	50.0	84%	29 - 171	17	31	5124183	NOL1733-03	12/23/05 15:14
2-Butanone	ND	250		ug/L	250	100%	50 - 151	10	27	5124183	NOL1733-03	12/23/05 15:14
sec-Butylbenzene	ND	36.3	M8	ug/L	50.0	73%	68 - 139	38	21	5124183	NOL1733-03	12/23/05 15:14
n-Butylbenzene	ND	32.5	M8	ug/L	50.0	65%	58 - 146	46	21	5124183	NOL1733-03	12/23/05 15:14
tert-Butylbenzene	ND	39.2	M8	ug/L	50.0	78%	67 - 137	30	21	5124183	NOL1733-03	12/23/05 15:14
Carbon disulfide	0.770	49.8		ug/L	50.0	98%	50 - 147	7	25	5124183	NOL1733-03	12/23/05 15:14
Carbon Tetrachloride	ND	52.5		ug/L	50.0	105%	56 - 147	8	22	5124183	NOL1733-03	12/23/05 15:14
Chlorobenzene	ND	47.9		ug/L	50.0	96%	79 - 124	1	17	5124183	NOL1733-03	12/23/05 15:14
Chlorodibromomethane	ND	48.1		ug/L	50.0	96%	62 - 130	6	16	5124183	NOL1733-03	12/23/05 15:14
Chloroethane	ND	55.0		ug/L	50.0	110%	47 - 160	2	24	5124183	NOL1733-03	12/23/05 15:14
Chloroform	ND	52.0		ug/L	50.0	104%	71 - 134	0.8	16	5124183	NOL1733-03	12/23/05 15:14
Chloromethane	ND	47.0		ug/L	50.0	94%	22 - 177	10	32	5124183	NOL1733-03	12/23/05 15:14
2-Chlorotoluene	ND	42.8		ug/L	50.0	86%	63 - 143	16	24	5124183	NOL1733-03	12/23/05 15:14
4-Chlorotoluene	ND	43.1		ug/L	50.0	86%	67 - 139	14	18	5124183	NOL1733-03	12/23/05 15:14
1,2-Dibromo-3-chloropropane	ND	44.9		ug/L	50.0	90%	47 - 133	3	21	5124183	NOL1733-03	12/23/05 15:14
1,2-Dibromoethane (EDB)	ND	53.7		ug/L	50.0	107%	72 - 133	3	17	5124183	NOL1733-03	12/23/05 15:14
Dibromomethane	ND	52.2		ug/L	50.0	104%	70 - 135	3	19	5124183	NOL1733-03	12/23/05 15:14
1,4-Dichlorobenzene	ND	41.6	M8	ug/L	50.0	83%	72 - 126	18	18	5124183	NOL1733-03	12/23/05 15:14
1,3-Dichlorobenzene	ND	41.1	M8	ug/L	50.0	82%	72 - 133	20	17	5124183	NOL1733-03	12/23/05 15:14
1,2-Dichlorobenzene	ND	41.4	M8	ug/L	50.0	83%	73 - 131	20	16	5124183	NOL1733-03	12/23/05 15:14
Dichlorodifluoromethane	ND	47.2		ug/L	50.0	94%	11 - 182	10	34	5124183	NOL1733-03	12/23/05 15:14

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Attn Mike Crouch

Work Order: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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												
5124183-MSD1												
1,1-Dichloroethane	ND	54.3		ug/L	50.0	109%	70 - 135	0.6	17	5124183	NOL1733-03	12/23/05 15:14
1,2-Dichloroethane	ND	52.1		ug/L	50.0	104%	62 - 140	2	17	5124183	NOL1733-03	12/23/05 15:14
cis-1,2-Dichloroethene	ND	53.3		ug/L	50.0	107%	67 - 137	0.4	20	5124183	NOL1733-03	12/23/05 15:14
1,1-Dichloroethene	ND	56.5		ug/L	50.0	113%	67 - 139	8	20	5124183	NOL1733-03	12/23/05 15:14
trans-1,2-Dichloroethene	ND	55.7		ug/L	50.0	111%	66 - 138	3	18	5124183	NOL1733-03	12/23/05 15:14
1,3-Dichloropropane	ND	54.4		ug/L	50.0	109%	76 - 126	8	14	5124183	NOL1733-03	12/23/05 15:14
1,2-Dichloropropane	ND	52.6		ug/L	50.0	105%	75 - 131	3	17	5124183	NOL1733-03	12/23/05 15:14
2,2-Dichloropropane	ND	47.0		ug/L	50.0	94%	13 - 166	3	29	5124183	NOL1733-03	12/23/05 15:14
cis-1,3-Dichloropropene	ND	50.8		ug/L	50.0	102%	53 - 139	4	20	5124183	NOL1733-03	12/23/05 15:14
trans-1,3-Dichloropropene	ND	48.3		ug/L	50.0	97%	51 - 130	5	18	5124183	NOL1733-03	12/23/05 15:14
1,1-Dichloropropene	ND	53.9		ug/L	50.0	108%	73 - 134	6	23	5124183	NOL1733-03	12/23/05 15:14
Ethylbenzene	ND	44.8		ug/L	50.0	90%	74 - 134	2	21	5124183	NOL1733-03	12/23/05 15:14
Hexachlorobutadiene	ND	13.4	R2	ug/L	50.0	27%	52 - 143	76	26	5124183	NOL1733-03	12/23/05 15:14
2-Hexanone	ND	282		ug/L	250	113%	58 - 138	2	18	5124183	NOL1733-03	12/23/05 15:14
Isopropylbenzene	ND	44.4	R2	ug/L	50.0	89%	69 - 138	25	21	5124183	NOL1733-03	12/23/05 15:14
p-Isopropyltoluene	ND	36.5	R2	ug/L	50.0	73%	66 - 141	37	21	5124183	NOL1733-03	12/23/05 15:14
Methyl tert-Butyl Ether	1.00E9	1000000000	MHA	ug/L	50.0	0%	58 - 151	0	28	5124183	NOL1733-03	12/23/05 15:14
Methylene Chloride	ND	53.8		ug/L	50.0	108%	69 - 138	0.2	19	5124183	NOL1733-03	12/23/05 15:14
4-Methyl-2-pentanone	ND	293		ug/L	250	117%	66 - 137	0.3	16	5124183	NOL1733-03	12/23/05 15:14
Naphthalene	ND	41.9		ug/L	50.0	84%	47 - 154	17	43	5124183	NOL1733-03	12/23/05 15:14
n-Propylbenzene	ND	39.4	R2	ug/L	50.0	79%	67 - 140	23	21	5124183	NOL1733-03	12/23/05 15:14
Styrene	ND	47.0		ug/L	50.0	94%	64 - 138	4	24	5124183	NOL1733-03	12/23/05 15:14
1,1,1,2-Tetrachloroethane	ND	46.5		ug/L	50.0	93%	10 - 179	2	16	5124183	NOL1733-03	12/23/05 15:14
1,1,2,2-Tetrachloroethane	ND	54.1		ug/L	50.0	108%	65 - 134	9	23	5124183	NOL1733-03	12/23/05 15:14
Tetrachloroethene	ND	48.6		ug/L	50.0	97%	71 - 132	17	20	5124183	NOL1733-03	12/23/05 15:14
Toluene	0.330	53.9		ug/L	50.0	107%	73 - 133	9	20	5124183	NOL1733-03	12/23/05 15:14
1,2,3-Trichlorobenzene	ND	31.7	R2	ug/L	50.0	63%	57 - 142	49	38	5124183	NOL1733-03	12/23/05 15:14
1,2,4-Trichlorobenzene	ND	31.6	R2	ug/L	50.0	63%	56 - 139	50	25	5124183	NOL1733-03	12/23/05 15:14
1,1,2-Trichloroethane	ND	54.1		ug/L	50.0	108%	78 - 125	8	15	5124183	NOL1733-03	12/23/05 15:14
1,1,1-Trichloroethane	ND	53.7		ug/L	50.0	107%	66 - 142	4	25	5124183	NOL1733-03	12/23/05 15:14
Trichloroethene	ND	52.0		ug/L	50.0	104%	69 - 140	1	21	5124183	NOL1733-03	12/23/05 15:14
Trichlorofluoromethane	ND	55.8		ug/L	50.0	112%	57 - 149	10	23	5124183	NOL1733-03	12/23/05 15:14
1,2,3-Trichloropropane	ND	42.6		ug/L	50.0	85%	55 - 138	9	20	5124183	NOL1733-03	12/23/05 15:14
1,3,5-Trimethylbenzene	ND	41.0		ug/L	50.0	82%	65 - 140	23	23	5124183	NOL1733-03	12/23/05 15:14
1,2,4-Trimethylbenzene	ND	41.3		ug/L	50.0	83%	60 - 143	21	24	5124183	NOL1733-03	12/23/05 15:14
Vinyl chloride	ND	59.2		ug/L	50.0	118%	46 - 151	5	23	5124183	NOL1733-03	12/23/05 15:14
Xylenes, total	ND	134		ug/L	150	89%	68 - 139	6	23	5124183	NOL1733-03	12/23/05 15:14
Surrogate: 1,2-Dichloroethane-d4		51.2		ug/L	50.0	102%	70 - 130			5124183	NOL1733-03	12/23/05 15:14
Surrogate: Dibromofluoromethane		51.9		ug/L	50.0	104%	79 - 122			5124183	NOL1733-03	12/23/05 15:14
Surrogate: Toluene-d8		56.0		ug/L	50.0	112%	78 - 121			5124183	NOL1733-03	12/23/05 15:14
Surrogate: 4-Bromofluorobenzene		52.1		ug/L	50.0	104%	78 - 126			5124183	NOL1733-03	12/23/05 15:14

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

Client	Hart & Hickman (2162)	Work Order:	NOL1529
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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

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:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	South Carolina
EPA 300.0	Water	N/A	X	X
RSK 175	Water	N/A	X	
SW846 8260B	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) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.

METHOD MODIFICATION NOTES

TestAmerica
ANALYTICAL TESTING CORPORATION

NOL1529

12/20/05 17:00

Client Name: HART & HICKMAN, PC Client #: 2162

Address: 2923 S. TRYON ST, STE 100

City/State/Zip Code: CHARLOTTE, NC 28203

Project Manager: MIKE CROUCH

Telephone Number: 704-586-0007 Fax: 704-586-0873

Sampler Name: (Print Name) ~~CHARLES~~ SHANNON COTTRILL

Sampler Signature: [signature]

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

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)	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOCs-601	NITRATES	SULFATES	CHLORIDES	TOC	METHANE					REMARKS
MW-1	12-12-05	14:15	G	N	GW		9				1		✓	✓	✓	✓	✓	✓		01			
MW-9	12-12-05	13:00	G	N	GW		9				1		✓	✓	✓	✓	✓	✓		02			
MW-10	12-12-05	12:00	G	N	GW		9				1		✓	✓	✓	✓	✓	✓		03			

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

	Date:	Time:		Date:	Time:
Relinquished By: [signature]	12-12-05	1900	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By: [signature]	12/13/05	800

LABORATORY COMMENTS
Init Lab Temp:
Rec Lab Temp: 2.2
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#** NOL1529

Client Name : HART & HICKMAN

Cooler Received/Opened On: 12/13/05 **Accessioned By:** Benjamin C.Wright

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 2.2 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO....NA
   a. If yes, how many and where: 1 - FRONT
3. Were custody seals on containers ?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None zip-lock baggies Foam insert
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

    9399

    Fed-Ex UPS Velocity DHL Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below:

TestAmerica
ANALYTICAL TESTING CORPORATION

NOL1529
12/20/05 17 00

Client Name: HART & HICKMAN, PC
Client #:
Address: 2923 S. TRYON ST, STE 100
City/State/Zip Code: CHARLOTTE, NC 28203
Project Manager: MIKE CROUCH
Telephone Number: 704-586-0007 Fax: 704-586-0873
Sampler Name: (Print Name) ~~CHARLES~~ SHANNON COTTRILL
Sampler Signature:

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

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)	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	VOCs-601	NITRATES	SULFATES	CHLORIDES	TOC	METHANE					REMARKS
MW-1	12-12-05	14:15	G	N	GW		9				1		✓	✓	✓	✓	✓	✓		01			
MW-9	12-12-05	13:00	G	N	GW		9				1		✓	✓	✓	✓	✓	✓		02			
MW-10	12-12-05	12:00	G	N	GW		9				1		✓	✓	✓	✓	✓	✓		03			

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

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

	Date:	Time:		Date:	Time:
Relinquished By:	12-12-05	1900	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By:	12/13/05	800

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 2.2
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

Keystone
LABORATORIES, INC.

MEMBER ACIL

26 December 2005

RECEIVED DEC 2005

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 12/13/05 10:03. If you have any questions concerning this report, please feel free to contact me at 1-800-858-5227.

Sincerely,

Jeffrey King

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.

MEMBER ACIL

Hart & Hickman 2923 South Tryon St., Suite 100 Charlotte NC, 28203	Project: HRC Analysis Project Number: [none] Project Manager: Mike Crouch	**Reported:** 12/26/05 12:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	15L0431-01	Water	12/12/05 14:15	12/13/05 10:03
MW-9	15L0431-02	Water	12/12/05 13:00	12/13/05 10:03
MW-10	15L0431-03	Water	12/12/05 12:00	12/13/05 10:03

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.

Jeffrey King

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.

MEMBER ACIL

Hart & Hickman	Project: HRC Analysis	
2923 South Tryon St., Suite 100	Project Number: [none]	**Reported:**
Charlotte NC, 28203	Project Manager: Mike Crouch	12/26/05 12:35

MW-1
15L0431-01 (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	1L51532	12/14/05	12/14/05	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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Jeffrey King

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	12/26/05 12:35

MW-9
15L0431-02 (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	1L51532	12/14/05	12/14/05	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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Jeffrey King

Jeffrey King, Ph.D., Laboratory Director

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Keystone LABORATORIES, INC.

MEMBER ACIL

Hart & Hickman 2923 South Tryon St., Suite 100 Charlotte NC, 28203	Project: HRC Analysis Project Number: [none] Project Manager: Mike Crouch	**Reported:** 12/26/05 12:35

MW-10
15L0431-03 (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	1L51532	12/14/05	12/14/05	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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Jeffrey King

Jeffrey King, Ph.D., Laboratory Director

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Hart & Hickman	Project: HRC Analysis	
2923 South Tryon St., Suite 100	Project Number: [none]	**Reported:**
Charlotte NC, 28203	Project Manager: Mike Crouch	12/26/05 12:35

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 15L1517 - 1L51532										
Calibration Check (15L1517-CCV1)				Prepared & Analyzed: 12/14/05						
Pyruvic Acid (C3)	14.00		mg/l	13.00		108	80-120			
Lactic Acid (C3)	86.13		"	97.20		88.6	80-120			
Acetic Acid (C2)	121.1		"	106.0		114	80-120			
Propionic Acid (C3)	105.6		"	105.0		101	80-120			
Butyric Acid (C4)	113.7		"	106.0		107	80-120			
Calibration Check (15L1517-CCV2)				Prepared & Analyzed: 12/14/05						
Pyruvic Acid (C3)	13.42		mg/l	13.00		103	80-120			
Lactic Acid (C3)	91.39		"	97.20		94.0	80-120			
Acetic Acid (C2)	121.6		"	106.0		115	80-120			
Propionic Acid (C3)	112.3		"	105.0		107	80-120			
Butyric Acid (C4)	115.8		"	106.0		109	80-120			
Batch 1L51532 - General Prep HPLC/IC										
Blank (1L51532-BLK1)				Prepared & Analyzed: 12/14/05						
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 (1L51532-BS1)				Prepared & Analyzed: 12/14/05						
Pyruvic Acid (C3)	20.42	0.1	mg/l	19.00		107	73-138			
Lactic Acid (C3)	100.5	1.0	"	111.8		89.9	73-111			
Acetic Acid (C2)	123.3	1.0	"	107.6		115	89-121			
Propionic Acid (C3)	102.3	1.0	"	102.2		100	90-118			
Butyric Acid (C4)	109.1	1.0	"	104.7		104	83-126			

Keystone Laboratories, Inc. - Newton

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Jeffrey King

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	12/26/05 12:35

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 1L51532 - General Prep HPLC/IC										
Matrix Spike (1L51532-MS1)		**Source: 15L0431-03**		Prepared & Analyzed: 12/14/05						
Pyruvic Acid (C3)	18.59	0.1	mg/l	19.00	ND	97.8	64-141			
Lactic Acid (C3)	99.67	1.0	"	111.8	ND	89.2	65-125			
Acetic Acid (C2)	120.5	1.0	"	107.6	ND	112	79-133			
Propionic Acid (C3)	102.6	1.0	"	102.2	ND	100	85-123			
Butyric Acid (C4)	106.0	1.0	"	104.7	ND	101	81-122			
Matrix Spike Dup (1L51532-MSD1)		**Source: 15L0431-03**		Prepared & Analyzed: 12/14/05						
Pyruvic Acid (C3)	19.52	0.1	mg/l	19.00	ND	103	64-141	4.88	13	
Lactic Acid (C3)	104.8	1.0	"	111.8	ND	93.7	65-125	5.02	20	
Acetic Acid (C2)	125.7	1.0	"	107.6	ND	117	79-133	4.22	21	
Propionic Acid (C3)	106.4	1.0	"	102.2	ND	104	85-123	3.64	16	
Butyric Acid (C4)	110.2	1.0	"	104.7	ND	105	81-122	3.89	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.

Jeffrey King

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	12/26/05 12:35

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
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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, SOUTH CAROLINA
PHONE:

REPORT TO:
NAME: MIKE CROUCH
COMPANY NAME: HART & HICKMAN, PC
ADDRESS: ~~2923~~ @ 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 STREET, 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: LABORATORY SAMPLE NUMBER
MW-1	12-12-05	1415	MW-1 @ WELLHEAD	1	GW	G	✓								01
MW-9	12-12-05	1300	MW-9 @ WELLHEAD	1	GW	G	✓								02
MW-10	12-12-05	1200	MW-10 @ WELLHEAD	1	GW	G	✓								03

LABORATORY WORK ORDER NO.: 1510431

SAMPLE TEMPERATURE UPON RECEIPT: °C

SAMPLE CONDITION/COMMENTS:

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	Turn-Around
[signature]	Date 12-12-05 Time 1900			☒ Standard ☐ Rush ____ Contact Lab Prior to Submission
Relinquished by: (Signature)	Date / Time	Received for Lab by: (Signature)	Date 12-13-05 Time 10:03	Remarks: PLEASE EMAIL RESULTS TO: scottrill@harthickman.com mcrouch@harthickman.com

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

FORM: CCR 7-97

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

December 27, 2005

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

Work Order: NOL1529
Project Name: Goodrich - Delavan
Project Nbr: GDR-006
Date Received: 12/13/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NOL1529-01	12/12/05 14:15
MW-9	NOL1529-02	12/12/05 13:00
MW-10	NOL1529-03	12/12/05 12:00

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, 2 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:

Gail Lage
Senior Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
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Client	Hart & Hickman (2162)	Work Order:	NOL1529
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOL1529-01 (MW-1 - Water) Sampled: 12/12/05 14:15									
General Chemistry Parameters									
Chloride	**5.73**		mg/L	1.00	1	12/14/05 20:39	EPA 300.0	SKO	5122427
Nitrate as N	**1.65**		mg/L	0.100	1	12/14/05 04:33	EPA 300.0	SKO	5122427
Sulfate	ND		mg/L	1.00	1	12/14/05 20.39	EPA 300.0	SKO	5122427
Total Organic Carbon	**1.60**		mg/L	1.00	1	12/15/05 13:37	SW846 9060	SMP	5122942
Methane, Ethane, and Ethene by GC									
Methane	ND		ug/L	26.0	1	12/14/05 13:55	RSK 175	GMH	5122525
Surrogate: Acetylene (70-130%)	*96 %*					*12/14/05 13:55*	*RSK 175*	*GMH*	*5122525*
Volatile Organic Compounds by EPA Method 8260B									
Bromodichloromethane	ND		ug/L	1.00	1	12/23/05 09.29	SW846 8260B	ZZZ	5124183
Bromoform	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Bromomethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Carbon Tetrachloride	ND		ug/L	1 00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Chlorobenzene	ND		ug/L	1 00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Chlorodibromomethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Chloroethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Chloroform	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Chloromethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,4-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,3-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,2-Dichlorobenzene	ND		ug/L	1 00	1	12/23/05 09 29	SW846 8260B	ZZZ	5124183
1,1-Dichloroethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,2-Dichloroethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
cis-1,2-Dichloroethene	**11.4**		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,1-Dichloroethene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,2-Dichloropropane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	12/23/05 09 29	SW846 8260B	ZZZ	5124183
Methylene Chloride	ND		ug/L	5.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,1,2,2-Tetrachloroethane	ND		ug/L	1 00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Tetrachloroethene	**4750**		ug/L	50.0	50	12/24/05 07:41	SW846 8260B	ZZZ	5124950
1,1,2-Trichloroethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
1,1,1-Trichloroethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Trichloroethene	**35.6**		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Trichlorofluoromethane	ND		ug/L	1.00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Vinyl chloride	ND		ug/L	1 00	1	12/23/05 09:29	SW846 8260B	ZZZ	5124183
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	*97 %*					*12/23/05 09:29*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	*101 %*					*12/24/05 07:41*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: Dibromofluoromethane (79-122%)	*94 %*					*12/23/05 09:29*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: Dibromofluoromethane (79-122%)	*100 %*					*12/24/05 07:41*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: Toluene-d8 (78-121%)	*110 %*					*12/23/05 09:29*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: Toluene-d8 (78-121%)	*108 %*					*12/24/05 07:41*	*SW846 8260B*	*ZZZ*	*5124950*

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

Client	Hart & Hickman (2162)	Work Order:	NOL1529
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOL1529-01 (MW-1 - Water) - cont. Sampled: 12/12/05 14:15									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Surrogate: 4-Bromofluorobenzene (78-126%)	*110 %*					*12/23/05 09:29*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: 4-Bromofluorobenzene (78-126%)	*109 %*					*12/24/05 07:41*	*SW846 8260B*	*ZZZ*	*5124950*
Sample ID: NOL1529-02 (MW-9 - Water) Sampled: 12/12/05 13:00									
General Chemistry Parameters									
Chloride	**2.42**		mg/L	1 00	1	12/14/05 21:30	EPA 300 0	SKO	5122427
Nitrate as N	**0.290**		mg/L	0 100	1	12/14/05 05:24	EPA 300.0	SKO	5122427
Sulfate	**3.43**		mg/L	1.00	1	12/14/05 21:30	EPA 300.0	SKO	5122427
Total Organic Carbon	**1.73**		mg/L	1 00	1	12/15/05 13:37	SW846 9060	SMP	5122942
Methane, Ethane, and Ethene by GC									
Methane	ND		ug/L	26.0	1	12/14/05 14:06	RSK 175	GMH	5122525
Surrogate: Acetylene (70-130%)	*116 %*					*12/14/05 14:06*	*RSK 175*	*GMH*	*5122525*
Volatile Organic Compounds by EPA Method 8260B									
Bromodichloromethane	ND		ug/L	1 00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Bromoform	ND		ug/L	1 00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Bromomethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Carbon Tetrachloride	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Chlorobenzene	ND		ug/L	1.00	1	12/23/05 09 48	SW846 8260B	ZZZ	5124183
Chlorodibromomethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Chloroethane	ND		ug/L	1.00	1	12/23/05 09 48	SW846 8260B	ZZZ	5124183
Chloroform	ND		ug/L	1.00	1	12/23/05 09.48	SW846 8260B	ZZZ	5124183
Chloromethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,4-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 09.48	SW846 8260B	ZZZ	5124183
1,3-Dichlorobenzene	ND		ug/L	1 00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,2-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,1-Dichloroethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,2-Dichloroethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
cis-1,2-Dichloroethene	**182**		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,1-Dichloroethene	**8.94**		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
trans-1,2-Dichloroethene	**1.37**		ug/L	1 00	1	12/23/05 09.48	SW846 8260B	ZZZ	5124183
1,2-Dichloropropane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Methylene Chloride	ND		ug/L	5.00	1	12/23/05 09 48	SW846 8260B	ZZZ	5124183
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	12/23/05 09.48	SW846 8260B	ZZZ	5124183
Tetrachloroethene	**3920**		ug/L	50.0	50	12/24/05 08:00	SW846 8260B	ZZZ	5124950
1,1,2-Trichloroethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
1,1,1-Trichloroethane	**2.05**		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Trichloroethene	**286**		ug/L	50.0	50	12/24/05 08:00	SW846 8260B	ZZZ	5124950
Trichlorofluoromethane	ND		ug/L	1.00	1	12/23/05 09:48	SW846 8260B	ZZZ	5124183
Vinyl chloride	ND		ug/L	1.00	1	12/23/05 09.48	SW846 8260B	ZZZ	5124183
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	*101 %*					*12/23/05 09:48*	*SW846 8260B*	*ZZZ*	*5124183*

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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)	Work Order:	NOL1529
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOL1529-02RE1 (MW-9 - Water) - cont. Sampled: 12/12/05 13:00									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	*102 %*					*12/24/05 08:00*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: Dibromofluoromethane (79-122%)	*100 %*					*12/23/05 09:48*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: Dibromofluoromethane (79-122%)	*102 %*					*12/24/05 08:00*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: Toluene-d8 (78-121%)	*110 %*					*12/23/05 09:48*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: Toluene-d8 (78-121%)	*112 %*					*12/24/05 08:00*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: 4-Bromofluorobenzene (78-126%)	*106 %*					*12/23/05 09:48*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: 4-Bromofluorobenzene (78-126%)	*108 %*					*12/24/05 08:00*	*SW846 8260B*	*ZZZ*	*5124950*
Sample ID: NOL1529-03 (MW-10 - Water) Sampled: 12/12/05 12:00									
General Chemistry Parameters									
Chloride	ND		mg/L	1.00	1	12/16/05 01:36	EPA 300 0	SKO	5122427
Nitrate as N	**0.320**		mg/L	0.100	1	12/14/05 05:42	EPA 300 0	SKO	5122427
Sulfate	**4.28**		mg/L	1.00	1	12/16/05 01:56	EPA 300 0	SKO	5122427
Total Organic Carbon	ND		mg/L	1.00	1	12/15/05 13:37	SW846 9060	SMP	5122942
Methane, Ethane, and Ethene by GC									
Methane	ND		ug/L	26 0	1	12/14/05 14:08	RSK 175	GMH	5122525
Surrogate: Acetylene (70-130%)	*100 %*					*12/14/05 14:08*	*RSK 175*	*GMH*	*5122525*
Volatile Organic Compounds by EPA Method 8260B									
Bromodichloromethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Bromoform	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Bromomethane	ND		ug/L	1 00	1	12/23/05 10.05	SW846 8260B	ZZZ	5124183
Carbon Tetrachloride	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Chlorobenzene	ND		ug/L	1 00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Chlorodibromomethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Chloroethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Chloroform	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Chloromethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	12/23/05 10·05	SW846 8260B	ZZZ	5124183
1,4-Dichlorobenzene	ND		ug/L	1 00	1	12/23/05 10·05	SW846 8260B	ZZZ	5124183
1,3-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,2-Dichlorobenzene	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,1-Dichloroethane	ND		ug/L	1.00	1	12/23/05 10·05	SW846 8260B	ZZZ	5124183
1,2-Dichloroethane	ND		ug/L	1 00	1	12/23/05 10.05	SW846 8260B	ZZZ	5124183
cis-1,2-Dichloroethene	**23.2**		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
1,1-Dichloroethene	**14.4**		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	12/23/05 10 05	SW846 8260B	ZZZ	5124183
1,2-Dichloropropane	ND		ug/L	1.00	1	12/23/05 10 05	SW846 8260B	ZZZ	5124183
cis-1,3-Dichloropropene	ND		ug/L	1 00	1	12/23/05 10·05	SW846 8260B	ZZZ	5124183
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	12/23/05 10 05	SW846 8260B	ZZZ	5124183
Methylene Chloride	ND		ug/L	5 00	1	12/23/05 10.05	SW846 8260B	ZZZ	5124183
1,1,2,2-Tetrachloroethane	ND		ug/L	1 00	1	12/23/05 10 05	SW846 8260B	ZZZ	5124183
Tetrachloroethene	**3050**		ug/L	50 0	50	12/24/05 08:18	SW846 8260B	ZZZ	5124950
1,1,2-Trichloroethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183

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Client	Hart & Hickman (2162)	Work Order:	NOL1529
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOL1529-03 (MW-10 - Water) - cont. Sampled: 12/12/05 12:00									
Volatile Organic Compounds by EPA Method 8260B - cont.									
1,1,1-Trichloroethane	**11.7**		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Trichloroethene	**45.2**		ug/L	1.00	1	12/23/05 10.05	SW846 8260B	ZZZ	5124183
Trichlorofluoromethane	ND		ug/L	1.00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Vinyl chloride	ND		ug/L	1 00	1	12/23/05 10:05	SW846 8260B	ZZZ	5124183
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	*97 %*					*12/23/05 10:05*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*12/24/05 08:18*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: Dibromofluoromethane (79-122%)	*95 %*					*12/23/05 10:05*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: Dibromofluoromethane (79-122%)	*100 %*					*12/24/05 08:18*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: Toluene-d8 (78-121%)	*110 %*					*12/23/05 10:05*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: Toluene-d8 (78-121%)	*107 %*					*12/24/05 08:18*	*SW846 8260B*	*ZZZ*	*5124950*
Surrogate: 4-Bromofluorobenzene (78-126%)	*107 %*					*12/23/05 10:05*	*SW846 8260B*	*ZZZ*	*5124183*
Surrogate: 4-Bromofluorobenzene (78-126%)	*110 %*					*12/24/05 08:18*	*SW846 8260B*	*ZZZ*	*5124950*

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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:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
5122427-BLK1						
Chloride	<0.500		mg/L	5122427	5122427-BLK1	12/14/05 20:05
Nitrate as N	<0.0500		mg/L	5122427	5122427-BLK1	12/14/05 03:41
Sulfate	<0.500		mg/L	5122427	5122427-BLK1	12/14/05 20:05
5122942-BLK1						
Total Organic Carbon	<0.230		mg/L	5122942	5122942-BLK1	12/15/05 13.37
Methane, Ethane, and Ethene by GC						
5122525-BLK1						
Methane	<5.00		ug/L	5122525	5122525-BLK1	12/14/05 11:39
Surrogate: Acetylene	106%			5122525	5122525-BLK1	12/14/05 11:39
Volatile Organic Compounds by EPA Method 8260B						
5124183-BLK1						
Acetone	<5 91		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Benzene	<0 290		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Bromobenzene	<0.470		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Bromochloromethane	<0.420		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Bromodichloromethane	<0.380		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Bromoform	<0.500		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Bromomethane	<0.600		ug/L	5124183	5124183-BLK1	12/23/05 05:15
2-Butanone	<5 09		ug/L	5124183	5124183-BLK1	12/23/05 05:15
sec-Butylbenzene	<0 380		ug/L	5124183	5124183-BLK1	12/23/05 05:15
n-Butylbenzene	<0.460		ug/L	5124183	5124183-BLK1	12/23/05 05:15
tert-Butylbenzene	<0 390		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Carbon disulfide	<0.310		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Carbon Tetrachloride	<0 480		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Chlorobenzene	<0.320		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Chlorodibromomethane	<0.360		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Chloroethane	<0 500		ug/L	5124183	5124183-BLK1	12/23/05 05.15
Chloroform	<0.380		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Chloromethane	<0.460		ug/L	5124183	5124183-BLK1	12/23/05 05:15
2-Chlorotoluene	<0.270		ug/L	5124183	5124183-BLK1	12/23/05 05:15
4-Chlorotoluene	<0.370		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2-Dibromo-3-chloropropane	<1.64		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2-Dibromoethane (EDB)	<0.380		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Dibromomethane	<0.570		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,4-Dichlorobenzene	<0.460		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,3-Dichlorobenzene	<0.360		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2-Dichlorobenzene	<0.370		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Dichlorodifluoromethane	<0.410		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1-Dichloroethane	<0.320		ug/L	5124183	5124183-BLK1	12/23/05 05:15

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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:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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						
5124183-BLK1						
1,2-Dichloroethane	<0.280		ug/L	5124183	5124183-BLK1	12/23/05 05:15
cis-1,2-Dichloroethene	<0.390		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1-Dichloroethene	<0.450		ug/L	5124183	5124183-BLK1	12/23/05 05:15
trans-1,2-Dichloroethene	<0.340		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,3-Dichloropropane	<0.630		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2-Dichloropropane	<0.500		ug/L	5124183	5124183-BLK1	12/23/05 05:15
2,2-Dichloropropane	<0 660		ug/L	5124183	5124183-BLK1	12/23/05 05:15
cis-1,3-Dichloropropene	<0.450		ug/L	5124183	5124183-BLK1	12/23/05 05:15
trans-1,3-Dichloropropene	<0.490		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1-Dichloropropene	<0.510		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Ethylbenzene	<0.340		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Hexachlorobutadiene	<0.670		ug/L	5124183	5124183-BLK1	12/23/05 05:15
2-Hexanone	<2 53		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Isopropylbenzene	<0.340		ug/L	5124183	5124183-BLK1	12/23/05 05:15
p-Isopropyltoluene	<0.340		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Methyl tert-Butyl Ether	<0.320		ug/L	5124183	5124183-BLK1	12/23/05 05 15
Methylene Chloride	<1.26		ug/L	5124183	5124183-BLK1	12/23/05 05.15
4-Methyl-2-pentanone	<4.25		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Naphthalene	<1.13		ug/L	5124183	5124183-BLK1	12/23/05 05:15
n-Propylbenzene	<0.370		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Styrene	<0.390		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1,1,2-Tetrachloroethane	<0.370		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1,2,2-Tetrachloroethane	<0.490		ug/L	5124183	5124183-BLK1	12/23/05 05.15
Tetrachloroethene	<0.390		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Toluene	<0.280		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2,3-Trichlorobenzene	<0.560		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2,4-Trichlorobenzene	<0 790		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1,2-Trichloroethane	<0 420		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,1,1-Trichloroethane	<0.400		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Trichloroethene	<0 450		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Trichlorofluoromethane	<0.480		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,2,3-Trichloropropane	<0 560		ug/L	5124183	5124183-BLK1	12/23/05 05:15
1,3,5-Trimethylbenzene	<0.280		ug/L	5124183	5124183-BLK1	12/23/05 05.15
1,2,4-Trimethylbenzene	<0 340		ug/L	5124183	5124183-BLK1	12/23/05 05 15
Vinyl chloride	<0 430		ug/L	5124183	5124183-BLK1	12/23/05 05:15
Xylenes, total	<0.820		ug/L	5124183	5124183-BLK1	12/23/05 05.15
Surrogate: 1,2-Dichloroethane-d4	106%			5124183	5124183-BLK1	12/23/05 05.15
Surrogate: Dibromofluoromethane	103%			5124183	5124183-BLK1	12/23/05 05:15
Surrogate: Toluene-d8	107%			5124183	5124183-BLK1	12/23/05 05:15
Surrogate: 4-Bromofluorobenzene	107%			5124183	5124183-BLK1	12/23/05 05.15
5124183-BLK2						

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Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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						
5124183-BLK2						
Acetone	<5.91		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Benzene	<0.290		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Bromobenzene	<0.470		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Bromochloromethane	<0.420		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Bromodichloromethane	<0.380		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Bromoform	<0.500		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Bromomethane	<0.600		ug/L	5124183	5124183-BLK2	12/23/05 05:33
2-Butanone	<5.09		ug/L	5124183	5124183-BLK2	12/23/05 05:33
sec-Butylbenzene	<0.380		ug/L	5124183	5124183-BLK2	12/23/05 05:33
n-Butylbenzene	<0.460		ug/L	5124183	5124183-BLK2	12/23/05 05:33
tert-Butylbenzene	<0.390		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Carbon disulfide	<0.310		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Carbon Tetrachloride	<0.480		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Chlorobenzene	<0.320		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Chlorodibromomethane	<0.360		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Chloroethane	<0.500		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Chloroform	<0.380		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Chloromethane	<0.460		ug/L	5124183	5124183-BLK2	12/23/05 05:33
2-Chlorotoluene	<0.270		ug/L	5124183	5124183-BLK2	12/23/05 05:33
4-Chlorotoluene	<0.370		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2-Dibromo-3-chloropropane	<1.64		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2-Dibromoethane (EDB)	<0.380		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Dibromomethane	<0.570		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,4-Dichlorobenzene	<0.460		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,3-Dichlorobenzene	<0.360		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2-Dichlorobenzene	<0.370		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Dichlorodifluoromethane	<0.410		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1-Dichloroethane	<0.320		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2-Dichloroethane	<0.280		ug/L	5124183	5124183-BLK2	12/23/05 05:33
cis-1,2-Dichloroethene	<0.390		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1-Dichloroethene	<0.450		ug/L	5124183	5124183-BLK2	12/23/05 05:33
trans-1,2-Dichloroethene	<0.340		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,3-Dichloropropane	<0.630		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2-Dichloropropane	<0.500		ug/L	5124183	5124183-BLK2	12/23/05 05:33
2,2-Dichloropropane	<0.660		ug/L	5124183	5124183-BLK2	12/23/05 05:33
cis-1,3-Dichloropropene	<0.450		ug/L	5124183	5124183-BLK2	12/23/05 05:33
trans-1,3-Dichloropropene	<0.490		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1-Dichloropropene	<0.510		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Ethylbenzene	<0.340		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Hexachlorobutadiene	<0.670		ug/L	5124183	5124183-BLK2	12/23/05 05:33
2-Hexanone	<2.53		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Isopropylbenzene	<0.340		ug/L	5124183	5124183-BLK2	12/23/05 05:33

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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:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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						
5124183-BLK2						
p-Isopropyltoluene	<0.340		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Methyl tert-Butyl Ether	<0.320		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Methylene Chloride	<1.26		ug/L	5124183	5124183-BLK2	12/23/05 05:33
4-Methyl-2-pentanone	<4.25		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Naphthalene	<1.13		ug/L	5124183	5124183-BLK2	12/23/05 05:33
n-Propylbenzene	<0.370		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Styrene	<0.390		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1,1,2-Tetrachloroethane	<0.370		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1,2,2-Tetrachloroethane	<0.490		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Tetrachloroethene	<0.390		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Toluene	<0.280		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2,3-Trichlorobenzene	<0.560		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2,4-Trichlorobenzene	<0.790		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1,2-Trichloroethane	<0.420		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,1,1-Trichloroethane	<0.400		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Trichloroethene	<0.450		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Trichlorofluoromethane	<0.480		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2,3-Trichloropropane	<0.560		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,3,5-Trimethylbenzene	<0.280		ug/L	5124183	5124183-BLK2	12/23/05 05:33
1,2,4-Trimethylbenzene	<0.340		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Vinyl chloride	<0.430		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Xylenes, total	<0.820		ug/L	5124183	5124183-BLK2	12/23/05 05:33
Surrogate: 1,2-Dichloroethane-d4	105%			5124183	5124183-BLK2	12/23/05 05:33
Surrogate: Dibromofluoromethane	103%			5124183	5124183-BLK2	12/23/05 05:33
Surrogate: Toluene-d8	110%			5124183	5124183-BLK2	12/23/05 05:33
Surrogate: 4-Bromofluorobenzene	106%			5124183	5124183-BLK2	12/23/05 05:33
5124950-BLK1						
Acetone	<5.91		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Benzene	<0.290		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Bromobenzene	<0.470		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Bromochloromethane	<0.420		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Bromodichloromethane	<0.380		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Bromoform	<0.500		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Bromomethane	<0.600		ug/L	5124950	5124950-BLK1	12/24/05 05:34
2-Butanone	<5.09		ug/L	5124950	5124950-BLK1	12/24/05 05:34
sec-Butylbenzene	<0.380		ug/L	5124950	5124950-BLK1	12/24/05 05:34
n-Butylbenzene	<0.460		ug/L	5124950	5124950-BLK1	12/24/05 05:34
tert-Butylbenzene	<0.390		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Carbon disulfide	<0.310		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Carbon Tetrachloride	<0.480		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Chlorobenzene	<0.320		ug/L	5124950	5124950-BLK1	12/24/05 05:34

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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:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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						
5124950-BLK1						
Chlorodibromomethane	<0.360		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Chloroethane	<0.500		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Chloroform	<0.380		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Chloromethane	<0.460		ug/L	5124950	5124950-BLK1	12/24/05 05:34
2-Chlorotoluene	<0.270		ug/L	5124950	5124950-BLK1	12/24/05 05 34
4-Chlorotoluene	<0.370		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2-Dibromo-3-chloropropane	<1.64		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2-Dibromoethane (EDB)	<0.380		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Dibromomethane	<0.570		ug/L	5124950	5124950-BLK1	12/24/05 05 34
1,4-Dichlorobenzene	<0.460		ug/L	5124950	5124950-BLK1	12/24/05 05 34
1,3-Dichlorobenzene	<0.360		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2-Dichlorobenzene	<0.370		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Dichlorodifluoromethane	<0.410		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,1-Dichloroethane	<0.320		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2-Dichloroethane	<0.280		ug/L	5124950	5124950-BLK1	12/24/05 05:34
cis-1,2-Dichloroethene	<0.390		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,1-Dichloroethene	<0.450		ug/L	5124950	5124950-BLK1	12/24/05 05:34
trans-1,2-Dichloroethene	<0 340		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,3-Dichloropropane	<0 630		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2-Dichloropropane	<0 500		ug/L	5124950	5124950-BLK1	12/24/05 05:34
2,2-Dichloropropane	<0.660		ug/L	5124950	5124950-BLK1	12/24/05 05:34
cis-1,3-Dichloropropene	<0.450		ug/L	5124950	5124950-BLK1	12/24/05 05:34
trans-1,3-Dichloropropene	<0.490		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,1-Dichloropropene	<0.510		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Ethylbenzene	<0.340		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Hexachlorobutadiene	<0.670		ug/L	5124950	5124950-BLK1	12/24/05 05:34
2-Hexanone	<2 53		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Isopropylbenzene	<0.340		ug/L	5124950	5124950-BLK1	12/24/05 05:34
p-Isopropyltoluene	<0.340		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Methyl tert-Butyl Ether	<0.320		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Methylene Chloride	<1.26		ug/L	5124950	5124950-BLK1	12/24/05 05:34
4-Methyl-2-pentanone	<4.25		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Naphthalene	<1 13		ug/L	5124950	5124950-BLK1	12/24/05 05:34
n-Propylbenzene	<0.370		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Styrene	<0.390		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,1,1,2-Tetrachloroethane	<0.370		ug/L	5124950	5124950-BLK1	12/24/05 05.34
1,1,2,2-Tetrachloroethane	<0 490		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Tetrachloroethene	<0 390		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Toluene	<0.280		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2,3-Trichlorobenzene	<0.560		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2,4-Trichlorobenzene	<0.790		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,1,2-Trichloroethane	<0 420		ug/L	5124950	5124950-BLK1	12/24/05 05:34

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

Client	Hart & Hickman (2162)	Work Order:	NOL1529
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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						
5124950-BLK1						
1,1,1-Trichloroethane	<0 400		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Trichloroethene	<0 450		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Trichlorofluoromethane	<0.480		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2,3-Trichloropropane	<0 560		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,3,5-Trimethylbenzene	<0 280		ug/L	5124950	5124950-BLK1	12/24/05 05:34
1,2,4-Trimethylbenzene	<0 340		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Vinyl chloride	<0.430		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Xylenes, total	<0.820		ug/L	5124950	5124950-BLK1	12/24/05 05:34
Surrogate: 1,2-Dichloroethane-d4	101%			5124950	5124950-BLK1	12/24/05 05:34
Surrogate: Dibromofluoromethane	102%			5124950	5124950-BLK1	12/24/05 05:34
Surrogate: Toluene-d8	111%			5124950	5124950-BLK1	12/24/05 05:34
Surrogate: 4-Bromofluorobenzene	108%			5124950	5124950-BLK1	12/24/05 05:34

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Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
5122427-DUP1									
Chloride	ND	4 23		mg/L		20	5122427	NOL1529-03	12/14/05 22:04
Nitrate as N	0.320	0 320		mg/L	0	20	5122427	NOL1529-03	12/14/05 05:59
Sulfate	4.28	ND		mg/L		20	5122427	NOL1529-03	12/14/05 22:04
5122942-DUP1									
Total Organic Carbon	3.37	3.25		mg/L	4	20	5122942	NOL1765-02	12/15/05 13:37
5122942-DUP2									
Total Organic Carbon	5.12	5.10		mg/L	0.4	20	5122942	NOL1868-09	12/15/05 13 37

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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:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
5122427-BS1								
Chloride	3.00	3.16		ug/mL	105%	90 - 110	5122427	12/14/05 07:55
Nitrate as N	3.00	3.24		ug/mL	108%	90 - 110	5122427	12/14/05 04:16
Sulfate	15 0	15.2		ug/mL	101%	90 - 110	5122427	12/14/05 07:55
122942-BS1								
Total Organic Carbon	200	184		mg/L	92%	87 - 110	5122942	12/15/05 13.37
Methane, Ethane, and Ethene by GC								
5122525-BS1								
Methane	1330	1360		ug/L	102%	79 - 121	5122525	12/14/05 11:53
Surrogate: Acetylene	4320	4370			101%	70 - 130	5122525	12/14/05 11 53
Volatile Organic Compounds by EPA Method 8260B								
124183-BS1								
Acetone	250	251		ug/L	100%	28 - 157	5124183	12/23/05 03:44
Benzene	50.0	50.2		ug/L	100%	78 - 122	5124183	12/23/05 03 44
Bromobenzene	50 0	49 0		ug/L	98%	77 - 122	5124183	12/23/05 03.44
Bromochloromethane	50.0	48 1		ug/L	96%	74 - 130	5124183	12/23/05 03:44
Bromodichloromethane	50.0	48.8		ug/L	98%	71 - 134	5124183	12/23/05 03:44
Bromoform	50 0	41.8		ug/L	84%	44 - 140	5124183	12/23/05 03:44
Bromomethane	50 0	61 0		ug/L	122%	49 - 157	5124183	12/23/05 03:44
2-Butanone	250	249		ug/L	100%	54 - 151	5124183	12/23/05 03 44
sec-Butylbenzene	50.0	48.0		ug/L	96%	75 - 131	5124183	12/23/05 03·44
n-Butylbenzene	50 0	48.9		ug/L	98%	69 - 137	5124183	12/23/05 03.44
tert-Butylbenzene	50.0	48 9		ug/L	98%	74 - 129	5124183	12/23/05 03:44
Carbon disulfide	50 0	45.7		ug/L	91%	64 - 139	5124183	12/23/05 03:44
Carbon Tetrachloride	50 0	50.8		ug/L	102%	63 - 140	5124183	12/23/05 03.44
Chlorobenzene	50 0	49.0		ug/L	98%	83 - 118	5124183	12/23/05 03 44
Chlorodibromomethane	50 0	48.4		ug/L	97%	69 - 128	5124183	12/23/05 03·44
Chloroethane	50.0	48.6		ug/L	97%	57 - 142	5124183	12/23/05 03:44
Chloroform	50.0	48.4		ug/L	97%	72 - 128	5124183	12/23/05 03:44
Chloromethane	50 0	42.3		ug/L	85%	37 - 158	5124183	12/23/05 03:44
2-Chlorotoluene	50 0	48.4		ug/L	97%	74 - 131	5124183	12/23/05 03 44
4-Chlorotoluene	50 0	48 6		ug/L	97%	77 - 128	5124183	12/23/05 03:44
1,2-Dibromo-3-chloropropane	50 0	48 0		ug/L	96%	54 - 130	5124183	12/23/05 03·44
1,2-Dibromoethane (EDB)	50 0	50.8		ug/L	102%	76 - 128	5124183	12/23/05 03:44
Dibromomethane	50.0	50.0		ug/L	100%	74 - 129	5124183	12/23/05 03 44
1,4-Dichlorobenzene	50.0	48 7		ug/L	97%	80 - 119	5124183	12/23/05 03·44
1,3-Dichlorobenzene	50 0	48 2		ug/L	96%	81 - 124	5124183	12/23/05 03.44
1,2-Dichlorobenzene	50 0	49.0		ug/L	98%	82 - 123	5124183	12/23/05 03.44
Dichlorodifluoromethane	50 0	43 9		ug/L	88%	30 - 161	5124183	12/23/05 03·44
1,1-Dichloroethane	50.0	49 7		ug/L	99%	72 - 130	5124183	12/23/05 03:44

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:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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								
5124183-BS1								
1,2-Dichloroethane	50.0	50.2		ug/L	100%	65 - 137	5124183	12/23/05 03:44
cis-1,2-Dichloroethene	50.0	49.9		ug/L	100%	71 - 131	5124183	12/23/05 03 44
1,1-Dichloroethene	50.0	50.8		ug/L	102%	68 - 133	5124183	12/23/05 03 44
trans-1,2-Dichloroethene	50.0	49.9		ug/L	100%	70 - 132	5124183	12/23/05 03 44
1,3-Dichloropropane	50.0	49.8		ug/L	100%	81 - 121	5124183	12/23/05 03·44
1,2-Dichloropropane	50.0	50.2		ug/L	100%	76 - 128	5124183	12/23/05 03:44
2,2-Dichloropropane	50 0	44.0		ug/L	88%	35 - 159	5124183	12/23/05 03:44
cis-1,3-Dichloropropene	50.0	48.9		ug/L	98%	61 - 138	5124183	12/23/05 03:44
trans-1,3-Dichloropropene	50 0	48 8		ug/L	98%	57 - 130	5124183	12/23/05 03 44
1,1-Dichloropropene	50.0	51.7		ug/L	103%	76 - 127	5124183	12/23/05 03 44
Ethylbenzene	50.0	46.3		ug/L	93%	82 - 122	5124183	12/23/05 03 44
Hexachlorobutadiene	50.0	46 1		ug/L	92%	66 - 137	5124183	12/23/05 03·44
2-Hexanone	250	250		ug/L	100%	63 - 138	5124183	12/23/05 03·44
Isopropylbenzene	50.0	48.7		ug/L	97%	75 - 130	5124183	12/23/05 03:44
p-Isopropyltoluene	50.0	48.1		ug/L	96%	76 - 133	5124183	12/23/05 03.44
Methyl tert-Butyl Ether	50.0	49.9		ug/L	100%	65 - 144	5124183	12/23/05 03:44
Methylene Chloride	50.0	51.5		ug/L	103%	74 - 133	5124183	12/23/05 03:44
4-Methyl-2-pentanone	250	255		ug/L	102%	74 - 132	5124183	12/23/05 03:44
Naphthalene	50.0	50.4		ug/L	101%	64 - 144	5124183	12/23/05 03:44
n-Propylbenzene	50 0	44.6		ug/L	89%	76 - 129	5124183	12/23/05 03:44
Styrene	50.0	49.8		ug/L	100%	76 - 130	5124183	12/23/05 03 44
1,1,1,2-Tetrachloroethane	50.0	48.6		ug/L	97%	77 - 128	5124183	12/23/05 03:44
1,1,2,2-Tetrachloroethane	50.0	54 9		ug/L	110%	70 - 129	5124183	12/23/05 03:44
Tetrachloroethene	50.0	48.8		ug/L	98%	77 - 124	5124183	12/23/05 03:44
Toluene	50.0	50.0		ug/L	100%	80 - 120	5124183	12/23/05 03:44
1,2,3-Trichlorobenzene	50.0	48.8		ug/L	98%	69 - 140	5124183	12/23/05 03:44
1,2,4-Trichlorobenzene	50.0	49.0		ug/L	98%	68 - 135	5124183	12/23/05 03.44
1,1,2-Trichloroethane	50.0	49.8		ug/L	100%	83 - 120	5124183	12/23/05 03:44
1,1,1-Trichloroethane	50 0	50.8		ug/L	102%	68 - 135	5124183	12/23/05 03·44
Trichloroethene	50 0	50.5		ug/L	101%	72 - 135	5124183	12/23/05 03:44
Trichlorofluoromethane	50.0	65.3		ug/L	131%	57 - 142	5124183	12/23/05 03:44
1,2,3-Trichloropropane	50 0	50 9		ug/L	102%	68 - 129	5124183	12/23/05 03 44
1,3,5-Trimethylbenzene	50 0	48.5		ug/L	97%	78 - 129	5124183	12/23/05 03 44
1,2,4-Trimethylbenzene	50.0	48.3		ug/L	97%	78 - 126	5124183	12/23/05 03:44
Vinyl chloride	50.0	55.8		ug/L	112%	52 - 143	5124183	12/23/05 03 44
Xylenes, total	150	135		ug/L	90%	81 - 125	5124183	12/23/05 03 44
Surrogate: 1,2-Dichloroethane-d4	50.0	51 9			104%	70 - 130	5124183	12/23/05 03 44
Surrogate: Dibromofluoromethane	50 0	52 1			104%	79 - 122	5124183	12/23/05 03 44
Surrogate: Toluene-d8	50.0	53.6			107%	78 - 121	5124183	12/23/05 03.44
Surrogate: 4-Bromofluorobenzene	50.0	51.9			104%	78 - 126	5124183	12/23/05 03·44

5124183-BS2

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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:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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								
5124183-BS2								
Acetone	250	256		ug/L	102%	28 - 157	5124183	12/22/05 15:44
Benzene	50.0	49 2		ug/L	98%	78 - 122	5124183	12/22/05 15:44
Bromobenzene	50.0	49 4		ug/L	99%	77 - 122	5124183	12/22/05 15:44
Bromochloromethane	50.0	47 8		ug/L	96%	74 - 130	5124183	12/22/05 15 44
Bromodichloromethane	50 0	49.9		ug/L	100%	71 - 134	5124183	12/22/05 15:44
Bromoform	50 0	47.0		ug/L	94%	44 - 140	5124183	12/22/05 15:44
Bromomethane	50 0	61.0		ug/L	122%	49 - 157	5124183	12/22/05 15:44
2-Butanone	250	254		ug/L	102%	54 - 151	5124183	12/22/05 15:44
sec-Butylbenzene	50.0	49.5		ug/L	99%	75 - 131	5124183	12/22/05 15:44
n-Butylbenzene	50.0	51.4		ug/L	103%	69 - 137	5124183	12/22/05 15:44
tert-Butylbenzene	50 0	49.4		ug/L	99%	74 - 129	5124183	12/22/05 15:44
Carbon disulfide	50 0	46 2		ug/L	92%	64 - 139	5124183	12/22/05 15:44
Carbon Tetrachloride	50 0	50.0		ug/L	100%	63 - 140	5124183	12/22/05 15:44
Chlorobenzene	50.0	49.4		ug/L	99%	83 - 118	5124183	12/22/05 15 44
Chlorodibromomethane	50.0	51 8		ug/L	104%	69 - 128	5124183	12/22/05 15:44
Chloroethane	50 0	46.2		ug/L	92%	57 - 142	5124183	12/22/05 15:44
Chloroform	50 0	47.8		ug/L	96%	72 - 128	5124183	12/22/05 15:44
Chloromethane	50 0	42.6		ug/L	85%	37 - 158	5124183	12/22/05 15:44
2-Chlorotoluene	50 0	48.8		ug/L	98%	74 - 131	5124183	12/22/05 15:44
4-Chlorotoluene	50 0	48.7		ug/L	97%	77 - 128	5124183	12/22/05 15:44
1,2-Dibromo-3-chloropropane	50 0	50 8		ug/L	102%	54 - 130	5124183	12/22/05 15:44
1,2-Dibromoethane (EDB)	50 0	52 6		ug/L	105%	76 - 128	5124183	12/22/05 15:44
Dibromomethane	50.0	49.1		ug/L	98%	74 - 129	5124183	12/22/05 15:44
1,4-Dichlorobenzene	50.0	49.8		ug/L	100%	80 - 119	5124183	12/22/05 15:44
1,3-Dichlorobenzene	50.0	49.9		ug/L	100%	81 - 124	5124183	12/22/05 15:44
1,2-Dichlorobenzene	50.0	49.7		ug/L	99%	82 - 123	5124183	12/22/05 15:44
Dichlorodifluoromethane	50.0	43.1		ug/L	86%	30 - 161	5124183	12/22/05 15:44
1,1-Dichloroethane	50.0	49.1		ug/L	98%	72 - 130	5124183	12/22/05 15:44
1,2-Dichloroethane	50 0	49.5		ug/L	99%	65 - 137	5124183	12/22/05 15:44
cis-1,2-Dichloroethene	50.0	49.6		ug/L	99%	71 - 131	5124183	12/22/05 15 44
1,1-Dichloroethene	50.0	48.4		ug/L	97%	68 - 133	5124183	12/22/05 15:44
trans-1,2-Dichloroethene	50.0	49.7		ug/L	99%	70 - 132	5124183	12/22/05 15:44
1,3-Dichloropropane	50.0	52.8		ug/L	106%	81 - 121	5124183	12/22/05 15:44
1,2-Dichloropropane	50.0	49 9		ug/L	100%	76 - 128	5124183	12/22/05 15:44
2,2-Dichloropropane	50.0	49 0		ug/L	98%	35 - 159	5124183	12/22/05 15:44
cis-1,3-Dichloropropene	50.0	53 4		ug/L	107%	61 - 138	5124183	12/22/05 15.44
trans-1,3-Dichloropropene	50.0	51.9		ug/L	104%	57 - 130	5124183	12/22/05 15:44
1,1-Dichloropropene	50.0	50 5		ug/L	101%	76 - 127	5124183	12/22/05 15:44
Ethylbenzene	50.0	49.2		ug/L	98%	82 - 122	5124183	12/22/05 15:44
Hexachlorobutadiene	50.0	50.0		ug/L	100%	66 - 137	5124183	12/22/05 15:44
2-Hexanone	250	260		ug/L	104%	63 - 138	5124183	12/22/05 15:44

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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:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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								
5124183-BS2								
Isopropylbenzene	50.0	52.1		ug/L	104%	75 - 130	5124183	12/22/05 15:44
p-Isopropyltoluene	50.0	50.4		ug/L	101%	76 - 133	5124183	12/22/05 15:44
Methyl tert-Butyl Ether	50 0	50 8		ug/L	102%	65 - 144	5124183	12/22/05 15:44
Methylene Chloride	50 0	51.4		ug/L	103%	74 - 133	5124183	12/22/05 15:44
4-Methyl-2-pentanone	250	267		ug/L	107%	74 - 132	5124183	12/22/05 15:44
Naphthalene	50 0	50 7		ug/L	101%	64 - 144	5124183	12/22/05 15:44
n-Propylbenzene	50 0	45.7		ug/L	91%	76 - 129	5124183	12/22/05 15:44
Styrene	50.0	52.2		ug/L	104%	76 - 130	5124183	12/22/05 15:44
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/L	100%	77 - 128	5124183	12/22/05 15:44
1,1,2,2-Tetrachloroethane	50.0	53.6		ug/L	107%	70 - 129	5124183	12/22/05 15:44
Tetrachloroethene	50.0	51.6		ug/L	103%	77 - 124	5124183	12/22/05 15:44
Toluene	50.0	51.4		ug/L	103%	80 - 120	5124183	12/22/05 15:44
1,2,3-Trichlorobenzene	50.0	50.5		ug/L	101%	69 - 140	5124183	12/22/05 15:44
1,2,4-Trichlorobenzene	50 0	51.4		ug/L	103%	68 - 135	5124183	12/22/05 15:44
1,1,2-Trichloroethane	50.0	52.5		ug/L	105%	83 - 120	5124183	12/22/05 15:44
1,1,1-Trichloroethane	50.0	50.0		ug/L	100%	68 - 135	5124183	12/22/05 15:44
Trichloroethene	50.0	49.6		ug/L	99%	72 - 135	5124183	12/22/05 15:44
Trichlorofluoromethane	50.0	64.0		ug/L	128%	57 - 142	5124183	12/22/05 15:44
1,2,3-Trichloropropane	50.0	51.7		ug/L	103%	68 - 129	5124183	12/22/05 15:44
1,3,5-Trimethylbenzene	50.0	49.5		ug/L	99%	78 - 129	5124183	12/22/05 15:44
1,2,4-Trimethylbenzene	50.0	49.3		ug/L	99%	78 - 126	5124183	12/22/05 15:44
Vinyl chloride	50.0	54 1		ug/L	108%	52 - 143	5124183	12/22/05 15:44
Xylenes, total	150	144		ug/L	96%	81 - 125	5124183	12/22/05 15:44
Surrogate: 1,2-Dichloroethane-d4	50.0	52.6			105%	70 - 130	5124183	12/22/05 15:44
Surrogate: Dibromofluoromethane	50.0	52.0			104%	79 - 122	5124183	12/22/05 15:44
Surrogate: Toluene-d8	50.0	55.5			111%	78 - 121	5124183	12/22/05 15:44
Surrogate: 4-Bromofluorobenzene	50.0	52.8			106%	78 - 126	5124183	12/22/05 15:44
5124950-BS1								
Acetone	250	282		ug/L	113%	28 - 157	5124950	12/24/05 15:55
Benzene	50.0	52.8		ug/L	106%	78 - 122	5124950	12/24/05 15:55
Bromobenzene	50.0	48.8		ug/L	98%	77 - 122	5124950	12/24/05 15:55
Bromochloromethane	50.0	47 2		ug/L	94%	74 - 130	5124950	12/24/05 15:55
Bromodichloromethane	50.0	47.5		ug/L	95%	71 - 134	5124950	12/24/05 15:55
Bromoform	50.0	40.3		ug/L	81%	44 - 140	5124950	12/24/05 15:55
Bromomethane	50.0	74.5		ug/L	149%	49 - 157	5124950	12/24/05 15:55
2-Butanone	250	256		ug/L	102%	54 - 151	5124950	12/24/05 15:55
sec-Butylbenzene	50 0	53.4		ug/L	107%	75 - 131	5124950	12/24/05 15:55
n-Butylbenzene	50.0	58.5		ug/L	117%	69 - 137	5124950	12/24/05 15:55
tert-Butylbenzene	50.0	50.3		ug/L	101%	74 - 129	5124950	12/24/05 15:55
Carbon disulfide	50.0	49.0		ug/L	98%	64 - 139	5124950	12/24/05 15:55
Carbon Tetrachloride	50 0	49.3		ug/L	99%	63 - 140	5124950	12/24/05 15:55

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: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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								
5124950-BS1								
Chlorobenzene	50.0	52.2		ug/L	104%	83 - 118	5124950	12/24/05 15:55
Chlorodibromomethane	50.0	46.2		ug/L	92%	69 - 128	5124950	12/24/05 15:55
Chloroethane	50.0	51.8		ug/L	104%	57 - 142	5124950	12/24/05 15:55
Chloroform	50.0	48.4		ug/L	97%	72 - 128	5124950	12/24/05 15:55
Chloromethane	50 0	47.1		ug/L	94%	37 - 158	5124950	12/24/05 15:55
2-Chlorotoluene	50.0	51.9		ug/L	104%	74 - 131	5124950	12/24/05 15.55
4-Chlorotoluene	50.0	52.4		ug/L	105%	77 - 128	5124950	12/24/05 15 55
1,2-Dibromo-3-chloropropane	50.0	46.5		ug/L	93%	54 - 130	5124950	12/24/05 15:55
1,2-Dibromoethane (EDB)	50.0	49 7		ug/L	99%	76 - 128	5124950	12/24/05 15:55
Dibromomethane	50.0	48.6		ug/L	97%	74 - 129	5124950	12/24/05 15.55
1,4-Dichlorobenzene	50.0	50.5		ug/L	101%	80 - 119	5124950	12/24/05 15:55
1,3-Dichlorobenzene	50.0	49.1		ug/L	98%	81 - 124	5124950	12/24/05 15:55
1,2-Dichlorobenzene	50.0	50 5		ug/L	101%	82 - 123	5124950	12/24/05 15:55
Dichlorodifluoromethane	50 0	43.4		ug/L	87%	30 - 161	5124950	12/24/05 15:55
1,1-Dichloroethane	50 0	49.6		ug/L	99%	72 - 130	5124950	12/24/05 15:55
1,2-Dichloroethane	50 0	47 6		ug/L	95%	65 - 137	5124950	12/24/05 15:55
cis-1,2-Dichloroethene	50 0	49.3		ug/L	99%	71 - 131	5124950	12/24/05 15:55
1,1-Dichloroethene	50.0	45.5		ug/L	91%	68 - 133	5124950	12/24/05 15.55
trans-1,2-Dichloroethene	50.0	49.8		ug/L	100%	70 - 132	5124950	12/24/05 15 55
1,3-Dichloropropane	50.0	48.0		ug/L	96%	81 - 121	5124950	12/24/05 15.55
1,2-Dichloropropane	50.0	48.8		ug/L	98%	76 - 128	5124950	12/24/05 15 55
2,2-Dichloropropane	50 0	48 4		ug/L	97%	35 - 159	5124950	12/24/05 15:55
cis-1,3-Dichloropropene	50.0	48 0		ug/L	96%	61 - 138	5124950	12/24/05 15:55
trans-1,3-Dichloropropene	50.0	45.2		ug/L	90%	57 - 130	5124950	12/24/05 15 55
1,1-Dichloropropene	50.0	53.6		ug/L	107%	76 - 127	5124950	12/24/05 15 55
Ethylbenzene	50 0	51.7		ug/L	103%	82 - 122	5124950	12/24/05 15:55
Hexachlorobutadiene	50.0	55.8		ug/L	112%	66 - 137	5124950	12/24/05 15:55
2-Hexanone	250	236		ug/L	94%	63 - 138	5124950	12/24/05 15:55
Isopropylbenzene	50 0	50.8		ug/L	102%	75 - 130	5124950	12/24/05 15:55
p-Isopropyltoluene	50.0	52.5		ug/L	105%	76 - 133	5124950	12/24/05 15 55
Methyl tert-Butyl Ether	50.0	43.3		ug/L	87%	65 - 144	5124950	12/24/05 15:55
Methylene Chloride	50.0	52 3		ug/L	105%	74 - 133	5124950	12/24/05 15 55
4-Methyl-2-pentanone	250	244		ug/L	98%	74 - 132	5124950	12/24/05 15.55
Naphthalene	50 0	50.9		ug/L	102%	64 - 144	5124950	12/24/05 15:55
n-Propylbenzene	50 0	49 7		ug/L	99%	76 - 129	5124950	12/24/05 15:55
Styrene	50.0	54.8		ug/L	110%	76 - 130	5124950	12/24/05 15:55
1,1,1,2-Tetrachloroethane	50 0	48.6		ug/L	97%	77 - 128	5124950	12/24/05 15:55
1,1,2,2-Tetrachloroethane	50 0	51.7		ug/L	103%	70 - 129	5124950	12/24/05 15:55
Tetrachloroethene	50.0	50.5		ug/L	101%	77 - 124	5124950	12/24/05 15:55
Toluene	50 0	50 8		ug/L	102%	80 - 120	5124950	12/24/05 15:55
1,2,3-Trichlorobenzene	50 0	50 4		ug/L	101%	69 - 140	5124950	12/24/05 15:55

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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	Work Order:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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								
5124950-BS1								
1,2,4-Trichlorobenzene	50.0	51.2		ug/L	102%	68 - 135	5124950	12/24/05 15:55
1,1,2-Trichloroethane	50.0	48.3		ug/L	97%	83 - 120	5124950	12/24/05 15:55
1,1,1-Trichloroethane	50.0	48.6		ug/L	97%	68 - 135	5124950	12/24/05 15:55
Trichloroethene	50.0	50.6		ug/L	101%	72 - 135	5124950	12/24/05 15:55
Trichlorofluoromethane	50.0	62.2		ug/L	124%	57 - 142	5124950	12/24/05 15:55
1,2,3-Trichloropropane	50.0	108	L	ug/L	216%	68 - 129	5124950	12/24/05 15:55
1,3,5-Trimethylbenzene	50.0	52.7		ug/L	105%	78 - 129	5124950	12/24/05 15:55
1,2,4-Trimethylbenzene	50.0	49.8		ug/L	100%	78 - 126	5124950	12/24/05 15:55
Vinyl chloride	50 0	58 7		ug/L	117%	52 - 143	5124950	12/24/05 15:55
Xylenes, total	150	152		ug/L	101%	81 - 125	5124950	12/24/05 15:55
Surrogate: 1,2-Dichloroethane-d4	50.0	50.6			101%	70 - 130	5124950	12/24/05 15:55
Surrogate: Dibromofluoromethane	50.0	49.2			98%	79 - 122	5124950	12/24/05 15:55
Surrogate: Toluene-d8	50.0	53.2			106%	78 - 121	5124950	12/24/05 15:55
Surrogate: 4-Bromofluorobenzene	50.0	50.9			102%	78 - 126	5124950	12/24/05 15:55

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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	Work Order:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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										
5122427-MS1										
Chloride	5 73	8.67		ug/mL	3.00	98%	80 - 120	5122427	NOL1529-01	12/14/05 20:56
Nitrate as N	1.65	4 68		ug/mL	3 00	101%	80 - 120	5122427	NOL1529-01	12/14/05 04:50
Sulfate	0.0700	15.9		ug/mL	15.0	106%	80 - 120	5122427	NOL1529-01	12/14/05 20:56
122942-MS1										
Total Organic Carbon	1.60	21.0		ug/mL	20.0	97%	75 - 137	5122942	NOL1529-01	12/15/05 13:37
Methane, Ethane, and Ethene by GC										
5122525-MS1										
Methane	354	1730		ug/L	1330	103%	62 - 132	5122525	NOL1528-01	12/14/05 11:42
Surrogate: Acetylene		2160		ug/L	2160	100%	70 - 130	5122525	NOL1528-01	12/14/05 11.42
Volatile Organic Compounds by EPA Method 8260B										
124183-MS1										
Acetone	ND	279		ug/L	250	112%	11 - 157	5124183	NOL1733-03	12/23/05 14:56
Benzene	ND	54 8		ug/L	50.0	110%	74 - 133	5124183	NOL1733-03	12/23/05 14 56
Bromobenzene	ND	40.0		ug/L	50 0	80%	71 - 129	5124183	NOL1733-03	12/23/05 14.56
Bromochloromethane	ND	50.1		ug/L	50 0	100%	73 - 134	5124183	NOL1733-03	12/23/05 14:56
Bromodichloromethane	ND	51.4		ug/L	50 0	103%	67 - 138	5124183	NOL1733-03	12/23/05 14:56
Bromoform	ND	37.6		ug/L	50.0	75%	37 - 140	5124183	NOL1733-03	12/23/05 14:56
Bromomethane	ND	49.6		ug/L	50.0	99%	29 - 171	5124183	NOL1733-03	12/23/05 14:56
2-Butanone	ND	275		ug/L	250	110%	50 - 151	5124183	NOL1733-03	12/23/05 14.56
sec-Butylbenzene	ND	24.6	M8	ug/L	50.0	49%	68 - 139	5124183	NOL1733-03	12/23/05 14:56
n-Butylbenzene	ND	20.3	M8	ug/L	50.0	41%	58 - 146	5124183	NOL1733-03	12/23/05 14:56
tert-Butylbenzene	ND	29.0	M8	ug/L	50.0	58%	67 - 137	5124183	NOL1733-03	12/23/05 14 56
Carbon disulfide	0.770	53.4		ug/L	50.0	105%	50 - 147	5124183	NOL1733-03	12/23/05 14:56
Carbon Tetrachloride	ND	48 3		ug/L	50.0	97%	56 - 147	5124183	NOL1733-03	12/23/05 14:56
Chlorobenzene	ND	47 2		ug/L	50.0	94%	79 - 124	5124183	NOL1733-03	12/23/05 14:56
Chlorodibromomethane	ND	45 5		ug/L	50.0	91%	62 - 130	5124183	NOL1733-03	12/23/05 14:56
Chloroethane	ND	54 1		ug/L	50.0	108%	47 - 160	5124183	NOL1733-03	12/23/05 14 56
Chloroform	ND	52 4		ug/L	50.0	105%	71 - 134	5124183	NOL1733-03	12/23/05 14:56
Chloromethane	ND	52 1		ug/L	50.0	104%	22 - 177	5124183	NOL1733-03	12/23/05 14:56
2-Chlorotoluene	ND	36.4		ug/L	50 0	73%	63 - 143	5124183	NOL1733-03	12/23/05 14:56
4-Chlorotoluene	ND	37 6		ug/L	50 0	75%	67 - 139	5124183	NOL1733-03	12/23/05 14:56
1,2-Dibromo-3-chloropropane	ND	46.3		ug/L	50 0	93%	47 - 133	5124183	NOL1733-03	12/23/05 14 56
1,2-Dibromoethane (EDB)	ND	52 1		ug/L	50.0	104%	72 - 133	5124183	NOL1733-03	12/23/05 14:56
Dibromomethane	ND	53 9		ug/L	50.0	108%	70 - 135	5124183	NOL1733-03	12/23/05 14:56
1,4-Dichlorobenzene	ND	34.7	M8	ug/L	50 0	69%	72 - 126	5124183	NOL1733-03	12/23/05 14 56

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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:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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										
5124183-MS1										
1,3-Dichlorobenzene	ND	33 6	M8	ug/L	50.0	67%	72 - 133	5124183	NOL1733-03	12/23/05 14.56
1,2-Dichlorobenzene	ND	34.0	M8	ug/L	50.0	68%	73 - 131	5124183	NOL1733-03	12/23/05 14·56
Dichlorodifluoromethane	ND	42.6		ug/L	50.0	85%	11 - 182	5124183	NOL1733-03	12/23/05 14·56
1,1-Dichloroethane	ND	54 6		ug/L	50.0	109%	70 - 135	5124183	NOL1733-03	12/23/05 14:56
1,2-Dichloroethane	ND	51.3		ug/L	50.0	103%	62 - 140	5124183	NOL1733-03	12/23/05 14:56
cis-1,2-Dichloroethene	ND	53.5		ug/L	50.0	107%	67 - 137	5124183	NOL1733-03	12/23/05 14:56
1,1-Dichloroethene	ND	52.4		ug/L	50 0	105%	67 - 139	5124183	NOL1733-03	12/23/05 14:56
trans-1,2-Dichloroethene	ND	54.3		ug/L	50.0	109%	66 - 138	5124183	NOL1733-03	12/23/05 14:56
1,3-Dichloropropane	ND	50.4		ug/L	50.0	101%	76 - 126	5124183	NOL1733-03	12/23/05 14·56
1,2-Dichloropropane	ND	54.3		ug/L	50 0	109%	75 - 131	5124183	NOL1733-03	12/23/05 14·56
2,2-Dichloropropane	ND	45.4		ug/L	50.0	91%	13 - 166	5124183	NOL1733-03	12/23/05 14·56
cis-1,3-Dichloropropene	ND	48.9		ug/L	50.0	98%	53 - 139	5124183	NOL1733-03	12/23/05 14:56
trans-1,3-Dichloropropene	ND	45.9		ug/L	50 0	92%	51 - 130	5124183	NOL1733-03	12/23/05 14:56
1,1-Dichloropropene	ND	50 7		ug/L	50 0	101%	73 - 134	5124183	NOL1733-03	12/23/05 14:56
Ethylbenzene	ND	43.7		ug/L	50.0	87%	74 - 134	5124183	NOL1733-03	12/23/05 14:56
Hexachlorobutadiene	ND	6 03	M8	ug/L	50 0	12%	52 - 143	5124183	NOL1733-03	12/23/05 14:56
2-Hexanone	ND	288		ug/L	250	115%	58 - 138	5124183	NOL1733-03	12/23/05 14:56
Isopropylbenzene	ND	34.5		ug/L	50.0	69%	69 - 138	5124183	NOL1733-03	12/23/05 14:56
p-Isopropyltoluene	ND	25 1	M8	ug/L	50.0	50%	66 - 141	5124183	NOL1733-03	12/23/05 14:56
Methyl tert-Butyl Ether	1 00E9	1000000000	MHA	ug/L	50.0	0%	58 - 151	5124183	NOL1733-03	12/23/05 14:56
Methylene Chloride	ND	53.9		ug/L	50.0	108%	69 - 138	5124183	NOL1733-03	12/23/05 14:56
4-Methyl-2-pentanone	ND	292		ug/L	250	117%	66 - 137	5124183	NOL1733-03	12/23/05 14:56
Naphthalene	ND	35.4		ug/L	50.0	71%	47 - 154	5124183	NOL1733-03	12/23/05 14·56
n-Propylbenzene	ND	31 3	M8	ug/L	50.0	63%	67 - 140	5124183	NOL1733-03	12/23/05 14.56
Styrene	ND	45.0		ug/L	50 0	90%	64 - 138	5124183	NOL1733-03	12/23/05 14.56
1,1,1,2-Tetrachloroethane	ND	45.5		ug/L	50.0	91%	10 - 179	5124183	NOL1733-03	12/23/05 14:56
1,1,2,2-Tetrachloroethane	ND	49 6		ug/L	50.0	99%	65 - 134	5124183	NOL1733-03	12/23/05 14.56
Tetrachloroethene	ND	41.1		ug/L	50.0	82%	71 - 132	5124183	NOL1733-03	12/23/05 14:56
Toluene	0.330	49 2		ug/L	50.0	98%	73 - 133	5124183	NOL1733-03	12/23/05 14.56
1,2,3-Trichlorobenzene	ND	19.2	M8	ug/L	50 0	38%	57 - 142	5124183	NOL1733-03	12/23/05 14.56
1,2,4-Trichlorobenzene	ND	19.0	M8	ug/L	50 0	38%	56 - 139	5124183	NOL1733-03	12/23/05 14:56
1,1,2-Trichloroethane	ND	50.1		ug/L	50 0	100%	78 - 125	5124183	NOL1733-03	12/23/05 14:56
1,1,1-Trichloroethane	ND	51 4		ug/L	50 0	103%	66 - 142	5124183	NOL1733-03	12/23/05 14 56
Trichloroethene	ND	51 3		ug/L	50.0	103%	69 - 140	5124183	NOL1733-03	12/23/05 14:56
Trichlorofluoromethane	ND	50.5		ug/L	50.0	101%	57 - 149	5124183	NOL1733-03	12/23/05 14.56
1,2,3-Trichloropropane	ND	46.4		ug/L	50 0	93%	55 - 138	5124183	NOL1733-03	12/23/05 14 56
1,3,5-Trimethylbenzene	ND	32.6		ug/L	50.0	65%	65 - 140	5124183	NOL1733-03	12/23/05 14.56

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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:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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										
5124183-MS1										
1,2,4-Trimethylbenzene	ND	33 6		ug/L	50 0	67%	60 - 143	5124183	NOL1733-03	12/23/05 14:56
Vinyl chloride	ND	56.5		ug/L	50 0	113%	46 - 151	5124183	NOL1733-03	12/23/05 14:56
Xylenes, total	ND	126		ug/L	150	84%	68 - 139	5124183	NOL1733-03	12/23/05 14:56
Surrogate: 1,2-Dichloroethane-d4		52.4		ug/L	50.0	105%	70 - 130	5124183	NOL1733-03	12/23/05 14:56
Surrogate: Dibromofluoromethane		52 0		ug/L	50.0	104%	79 - 122	5124183	NOL1733-03	12/23/05 14:56
Surrogate: Toluene-d8		53.3		ug/L	50.0	107%	78 - 121	5124183	NOL1733-03	12/23/05 14:56
Surrogate: 4-Bromofluorobenzene		49.5		ug/L	50.0	99%	78 - 126	5124183	NOL1733-03	12/23/05 14:56

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Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order:	NOL1529
		Project Name:	Goodrich - Delavan
		Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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												
5122427-MSD1												
Chloride	5.73	8.36		ug/mL	3.00	88%	80 - 120	4	20	5122427	NOL1529-01	12/14/05 21:13
Nitrate as N	1.65	4.70		ug/mL	3.00	102%	80 - 120	0 4	20	5122427	NOL1529-01	12/14/05 05:07
Sulfate	0.0700	16 7		ug/mL	15.0	111%	80 - 120	5	20	5122427	NOL1529-01	12/14/05 21:13
5122942-MSD1												
Total Organic Carbon	1.60	21.3		ug/mL	20 0	98%	75 - 137	1	20	5122942	NOL1529-01	12/15/05 13:37
Methane, Ethane, and Ethene by GC												
5122525-MSD1												
Methane	354	1780		ug/L	1330	107%	62 - 132	4	26	5122525	NOL1528-01	12/14/05 11:48
Surrogate: Acetylene		2200		ug/L	2160	102%	70 - 130			5122525	NOL1528-01	12/14/05 11:48
Volatile Organic Compounds by EPA Method 8260B												
5124183-MSD1												
Acetone	ND	235		ug/L	250	94%	11 - 157	17	31	5124183	NOL1733-03	12/23/05 15:14
Benzene	ND	54.0		ug/L	50 0	108%	74 - 133	1	19	5124183	NOL1733-03	12/23/05 15:14
Bromobenzene	ND	46 0		ug/L	50 0	92%	71 - 129	14	19	5124183	NOL1733-03	12/23/05 15:14
Bromochloromethane	ND	51 9		ug/L	50 0	104%	73 - 134	4	19	5124183	NOL1733-03	12/23/05 15:14
Bromodichloromethane	ND	51.0		ug/L	50 0	102%	67 - 138	0.8	16	5124183	NOL1733-03	12/23/05 15:14
Bromoform	ND	35.7		ug/L	50 0	71%	37 - 140	5	19	5124183	NOL1733-03	12/23/05 15:14
Bromomethane	ND	41.9		ug/L	50.0	84%	29 - 171	17	31	5124183	NOL1733-03	12/23/05 15:14
2-Butanone	ND	250		ug/L	250	100%	50 - 151	10	27	5124183	NOL1733-03	12/23/05 15:14
sec-Butylbenzene	ND	36.3	M8	ug/L	50.0	73%	68 - 139	38	21	5124183	NOL1733-03	12/23/05 15:14
n-Butylbenzene	ND	32.5	M8	ug/L	50.0	65%	58 - 146	46	21	5124183	NOL1733-03	12/23/05 15:14
tert-Butylbenzene	ND	39.2	M8	ug/L	50.0	78%	67 - 137	30	21	5124183	NOL1733-03	12/23/05 15:14
Carbon disulfide	0.770	49.8		ug/L	50.0	98%	50 - 147	7	25	5124183	NOL1733-03	12/23/05 15:14
Carbon Tetrachloride	ND	52.5		ug/L	50.0	105%	56 - 147	8	22	5124183	NOL1733-03	12/23/05 15:14
Chlorobenzene	ND	47 9		ug/L	50.0	96%	79 - 124	1	17	5124183	NOL1733-03	12/23/05 15:14
Chlorodibromomethane	ND	48.1		ug/L	50.0	96%	62 - 130	6	16	5124183	NOL1733-03	12/23/05 15:14
Chloroethane	ND	55.0		ug/L	50 0	110%	47 - 160	2	24	5124183	NOL1733-03	12/23/05 15 14
Chloroform	ND	52 0		ug/L	50.0	104%	71 - 134	0 8	16	5124183	NOL1733-03	12/23/05 15:14
Chloromethane	ND	47.0		ug/L	50.0	94%	22 - 177	10	32	5124183	NOL1733-03	12/23/05 15:14
2-Chlorotoluene	ND	42 8		ug/L	50 0	86%	63 - 143	16	24	5124183	NOL1733-03	12/23/05 15:14
4-Chlorotoluene	ND	43.1		ug/L	50 0	86%	67 - 139	14	18	5124183	NOL1733-03	12/23/05 15:14
1,2-Dibromo-3-chloropropane	ND	44.9		ug/L	50.0	90%	47 - 133	3	21	5124183	NOL1733-03	12/23/05 15:14
1,2-Dibromoethane (EDB)	ND	53.7		ug/L	50.0	107%	72 - 133	3	17	5124183	NOL1733-03	12/23/05 15:14
Dibromomethane	ND	52.2		ug/L	50.0	104%	70 - 135	3	19	5124183	NOL1733-03	12/23/05 15:14
1,4-Dichlorobenzene	ND	41 6	M8	ug/L	50 0	83%	72 - 126	18	18	5124183	NOL1733-03	12/23/05 15 14
1,3-Dichlorobenzene	ND	41.1	M8	ug/L	50 0	82%	72 - 133	20	17	5124183	NOL1733-03	12/23/05 15:14
1,2-Dichlorobenzene	ND	41.4	M8	ug/L	50.0	83%	73 - 131	20	16	5124183	NOL1733-03	12/23/05 15:14
Dichlorodifluoromethane	ND	47 2		ug/L	50.0	94%	11 - 182	10	34	5124183	NOL1733-03	12/23/05 15.14

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: NOL1529
Project Name: Goodrich - Delavan
Project Number: GDR-006
Received: 12/13/05 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												
5124183-MSD1												
1,1-Dichloroethane	ND	54.3		ug/L	50.0	109%	70 - 135	0.6	17	5124183	NOL1733-03	12/23/05 15:14
1,2-Dichloroethane	ND	52.1		ug/L	50 0	104%	62 - 140	2	17	5124183	NOL1733-03	12/23/05 15:14
cis-1,2-Dichloroethene	ND	53 3		ug/L	50.0	107%	67 - 137	0.4	20	5124183	NOL1733-03	12/23/05 15:14
1,1-Dichloroethene	ND	56 5		ug/L	50 0	113%	67 - 139	8	20	5124183	NOL1733-03	12/23/05 15:14
trans-1,2-Dichloroethene	ND	55 7		ug/L	50.0	111%	66 - 138	3	18	5124183	NOL1733-03	12/23/05 15:14
1,3-Dichloropropane	ND	54 4		ug/L	50.0	109%	76 - 126	8	14	5124183	NOL1733-03	12/23/05 15:14
1,2-Dichloropropane	ND	52 6		ug/L	50.0	105%	75 - 131	3	17	5124183	NOL1733-03	12/23/05 15:14
2,2-Dichloropropane	ND	47 0		ug/L	50.0	94%	13 - 166	3	29	5124183	NOL1733-03	12/23/05 15 14
cis-1,3-Dichloropropene	ND	50.8		ug/L	50.0	102%	53 - 139	4	20	5124183	NOL1733-03	12/23/05 15.14
trans-1,3-Dichloropropene	ND	48 3		ug/L	50 0	97%	51 - 130	5	18	5124183	NOL1733-03	12/23/05 15:14
1,1-Dichloropropene	ND	53.9		ug/L	50.0	108%	73 - 134	6	23	5124183	NOL1733-03	12/23/05 15:14
Ethylbenzene	ND	44.8		ug/L	50.0	90%	74 - 134	2	21	5124183	NOL1733-03	12/23/05 15 14
Hexachlorobutadiene	ND	13.4	R2	ug/L	50.0	27%	52 - 143	76	26	5124183	NOL1733-03	12/23/05 15.14
2-Hexanone	ND	282		ug/L	250	113%	58 - 138	2	18	5124183	NOL1733-03	12/23/05 15:14
Isopropylbenzene	ND	44.4	R2	ug/L	50 0	89%	69 - 138	25	21	5124183	NOL1733-03	12/23/05 15:14
p-Isopropyltoluene	ND	36.5	R2	ug/L	50 0	73%	66 - 141	37	21	5124183	NOL1733-03	12/23/05 15:14
Methyl tert-Butyl Ether	1 00E9	10000000 00	MHA	ug/L	50 0	0%	58 - 151	0	28	5124183	NOL1733-03	12/23/05 15:14
Methylene Chloride	ND	53.8		ug/L	50 0	108%	69 - 138	0.2	19	5124183	NOL1733-03	12/23/05 15:14
4-Methyl-2-pentanone	ND	293		ug/L	250	117%	66 - 137	0 3	16	5124183	NOL1733-03	12/23/05 15:14
Naphthalene	ND	41.9		ug/L	50 0	84%	47 - 154	17	43	5124183	NOL1733-03	12/23/05 15:14
n-Propylbenzene	ND	39 4	R2	ug/L	50.0	79%	67 - 140	23	21	5124183	NOL1733-03	12/23/05 15:14
Styrene	ND	47 0		ug/L	50.0	94%	64 - 138	4	24	5124183	NOL1733-03	12/23/05 15:14
1,1,1,2-Tetrachloroethane	ND	46.5		ug/L	50.0	93%	10 - 179	2	16	5124183	NOL1733-03	12/23/05 15:14
1,1,2,2-Tetrachloroethane	ND	54 1		ug/L	50 0	108%	65 - 134	9	23	5124183	NOL1733-03	12/23/05 15:14
Tetrachloroethene	ND	48 6		ug/L	50 0	97%	71 - 132	17	20	5124183	NOL1733-03	12/23/05 15:14
Toluene	0 330	53.9		ug/L	50.0	107%	73 - 133	9	20	5124183	NOL1733-03	12/23/05 15 14
1,2,3-Trichlorobenzene	ND	31.7	R2	ug/L	50.0	63%	57 - 142	49	38	5124183	NOL1733-03	12/23/05 15:14
1,2,4-Trichlorobenzene	ND	31 6	R2	ug/L	50 0	63%	56 - 139	50	25	5124183	NOL1733-03	12/23/05 15:14
1,1,2-Trichloroethane	ND	54.1		ug/L	50 0	108%	78 - 125	8	15	5124183	NOL1733-03	12/23/05 15:14
1,1,1-Trichloroethane	ND	53.7		ug/L	50.0	107%	66 - 142	4	25	5124183	NOL1733-03	12/23/05 15:14
Trichloroethene	ND	52 0		ug/L	50.0	104%	69 - 140	1	21	5124183	NOL1733-03	12/23/05 15:14
Trichlorofluoromethane	ND	55 8		ug/L	50.0	112%	57 - 149	10	23	5124183	NOL1733-03	12/23/05 15 14
1,2,3-Trichloropropane	ND	42.6		ug/L	50.0	85%	55 - 138	9	20	5124183	NOL1733-03	12/23/05 15:14
1,3,5-Trimethylbenzene	ND	41 0		ug/L	50.0	82%	65 - 140	23	23	5124183	NOL1733-03	12/23/05 15:14
1,2,4-Trimethylbenzene	ND	41 3		ug/L	50 0	83%	60 - 143	21	24	5124183	NOL1733-03	12/23/05 15:14
Vinyl chloride	ND	59.2		ug/L	50 0	118%	46 - 151	5	23	5124183	NOL1733-03	12/23/05 15.14
Xylenes, total	ND	134		ug/L	150	89%	68 - 139	6	23	5124183	NOL1733-03	12/23/05 15.14
Surrogate: 1,2-Dichloroethane-d4		51.2		ug/L	50 0	102%	70 - 130			5124183	NOL1733-03	12/23/05 15:14
Surrogate: Dibromofluoromethane		51.9		ug/L	50.0	104%	79 - 122			5124183	NOL1733-03	12/23/05 15:14
Surrogate: Toluene-d8		56.0		ug/L	50.0	112%	78 - 121			5124183	NOL1733-03	12/23/05 15:14
Surrogate: 4-Bromofluorobenzene		52.1		ug/L	50.0	104%	78 - 126			5124183	NOL1733-03	12/23/05 15:14

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

Client	Hart & Hickman (2162)	Work Order:	NOL1529
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 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

TestAmerica
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Client	Hart & Hickman (2162)	Work Order:	NOL1529
	2923 South Tyron Street, Suite 100	Project Name:	Goodrich - Delavan
	Charlotte, NC 28203-5449	Project Number:	GDR-006
Attn	Mike Crouch	Received:	12/13/05 08:00

CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	South Carolina
EPA 300.0	Water	N/A	X	X
RSK 175	Water	N/A	X	
SW846 8260B	Water	N/A	X	X
SW846 9060	Water	N/A	X	X

Client	Hart & Hickman (2162) 2923 South Tyron Street, Suite 100 Charlotte, NC 28203-5449	Work Order: Project Name: Project Number:	NOL1529 Goodrich - Delavan GDR-006
Attn	Mike Crouch	Received:	12/13/05 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.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.

METHOD MODIFICATION NOTES

TestAmerica
ANALYTICAL TESTING CORPORATION
Nashville Division

NOL1529

COOLER RECEIPT FORM

BC#

Client Name : HART & HICKMAN

Cooler Received/Opened On: 12/13/05 **Accessioned By:** Benjamin C.Wright

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 2.2 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO....NA
   a. If yes, how many and where: 1 - FRONT
3. Were custody seals on containers ?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None zip-lock baggies Foam insert
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:
    9399
    Fed-Ex UPS Velocity DHL Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below: