

51778



501 Minuet Lane
Suite 101
Charlotte, NC 28217
704
586-0007 Phone
586-0373 Fax
www.harthickman.com

March 15, 2004

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

Attn: Ms. Jennifer Boynton

Re: Ground Water Assessment
Delavan Spray Technologies Site
Bamberg, South Carolina
Site ID #02211
H&H Job No. GDR-06

Dear Jennifer:

On behalf of Delavan Spray Technologies, Hart & Hickman, PC (H&H) is submitting this assessment report in accordance with our October 13, 2003 work plan and your October 24, 2003 approval letter.

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

Very truly yours,

Hart & Hickman, PC

Michael S. Crouch, PG
Project Manager

RECEIVED

MAR 16 2004

Water Monitoring, Assessment &
Protection Division

Attachments

cc: Mr. Richard Kearse
Ms. Mary Foley

A2

**Ground Water Assessment Report
Delavan Spray
Technologies Facility
Bamberg, South Carolina**

H&H Job No. GDR-06

March 15, 2004

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Water Monitoring, Assessment &
Protection Division



Hart & Hickman, PC
501 Minuet Lane
Suite 101
Charlotte, NC 28217
704.586.0007
Fax 704.586.0373

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3/15/04

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**Ground Water Assessment Report
Delavan Spray Technologies Facility
Bamberg, South Carolina**

1.0 Introduction

This report presents the methods and results of ground water assessment 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). Delavan manufactures fuel metering equipment and various nozzles at the facility. The Delavan property comprises approximately 20 acres of which approximately five are fenced (Figure 2). The remaining 15 acres are wooded to the north and west and grass-covered to the east.

The results of previous environmental assessment activities conducted between December 2002 and September 2003 indicate the presence of tetrachloroethene (PCE) in ground water in the central portion of the site. The previous assessment activities were conducted in accessible areas surrounding the building and generally within the facility fencing. The results of the previous assessments were summarized in reports submitted to the South Carolina Department of Health and Environmental Control (DHEC) in February 2003 and September 2003. The recent assessment was conducted in December 2003 through mid-February 2004 to delineate the extent of PCE in ground water. This report presents the methods and results of the recent assessment activities and summarizes ground water conditions at the site.

2.0 Background Information

2.1 Site Description

The Delavan site is located on Highway 301 South in Bamberg, Bamberg County, South Carolina, approximately one mile south of downtown Bamberg. A site location map and site layout are provided as Figure 1 and Figure 2, respectively.

The topography of the site is relatively flat and drainage is generally radial. Drainage in the central and eastern portions of the fenced area is generally toward the north and northeast with discharge into a drainage ditch located in the northeastern portion of the site. The ditch flows northwest and discharges into an intermittent stream near the northwestern corner of the Delavan property. The intermittent stream then flows to the southwest toward Halfmoon Branch, an intermittent tributary of Lemon Creek. Lemon Creek is the closest perennial surface water body and is located approximately 4,400 ft southwest of the site at its closest location (as measured to center channel). No other perennial surface water bodies were noted within one mile of the site with the exception of a manmade sewage disposal pond located approximately 1,300 ft northwest.

Numerous topographic oval depressions, known as Carolina Bays, are located in the vicinity of the plant as indicated on Figure 1. Carolina bays are circular, typically stretched, elliptical depressions in the ground, oriented along their long axis from the northwest to the southeast. They are usually surrounded by an elevated rim of fine sand. Review of the topographic map indicates that the Delavan facility may be built upon part of a former Carolina Bay that was filled in during development of the area. According to Delavan representatives, the manufacturing portion of the site is built upon fill material.

2.2 Previous Assessment

February 2003 Notification Letter

On December 10, 2002, H&H oversaw the installation of eleven direct push technology (DPT) temporary borings in order to collect ground water samples. The assessment was conducted as part of an assessment of a former containment structure used for storage of PCE. The ground water samples were analyzed for PCE in the field using a portable gas chromatograph (GC). The field GC data indicated PCE in ground water at concentrations up to 5,288 micrograms per liter ($\mu\text{g/l}$). A tabulation of the data and a figure indicating sampling locations are included in Appendix A. PCE was detected in ground water samples in the vicinity of the former PCE containment structure at the southeast corner of the main building and was also detected at lower concentrations to the north, south and east of the main building. This information was reported to DHEC in correspondence dated February 14, 2003.

September 2003 Assessment Report

Based on the results of the temporary well sampling documented in the February 2003 report, Delavan initiated additional ground water assessment activities. Six monitoring wells (MW-1 through MW-6) were installed in June 2003 at the locations indicated on Figure 2. Ground water samples were collected on June 4, 2003 and submitted to a South Carolina certified laboratory for analysis of volatile organic compounds (VOCs) by EPA Method 8260.

The data confirmed the presence of PCE in ground water at the site. Other than a detection of chloromethane in well MW-1, PCE was the only target analyte detected in ground water. PCE was detected in three of the six wells with a maximum concentration of 15,000 $\mu\text{g/l}$ in MW-1 located in the vicinity of the PCE containment area. PCE was also detected in MW-3 (220 $\mu\text{g/l}$), located south of MW-1 just inside the southern fence line, and in MW-5 (160 $\mu\text{g/l}$), located along the northern fence line and northwest of another containment area used for storage of PCE. No PCE or other target analytes were detected in the samples from the following monitor wells:

- MW-2 (located south of the manufacturing building and west of MW-1),
- MW-4 (located near the eastern property boundary), and
- MW-6 (located along the northern fence).

A map indicating the PCE concentrations is included in Appendix A.

Based on the ground water sampling data, the horizontal extent of impacts had not been fully delineated with the June 2003 sampling. Additionally, determination of ground water flow direction and gradient were indeterminate based on the ground water elevation data collected during June and July 2003.

A surface water sample was also collected from the intermittent stream located at the northwestern portion of the Delavan property. This stream is fed by on-site and off-site storm water drainage. No target analytes were detected in the surface water sample with the exception of 1.0 µg/l of cis-1,2-dichloroethene (cis-1,2-DCE). The June 2003 ground water and surface water detections are summarized on Table 2. The results of these assessment activities were summarized in a September 2003 report and based on the results of the ground water assessment, additional assessment activities were proposed.

3.0 Recent Assessment Activities

Ground water assessment activities were conducted in December 2003 and February 2004. The December 2003 assessment was conducted in general accordance with H&H's October 13, 2003 Ground Water Assessment Work Plan which was approved by DHEC in correspondence dated October 24, 2003. The December 2003 scope of work included installation and sampling of two permanent and three temporary on-site monitor wells. Upon review of the ground water sampling data, the temporary wells were completed as permanent wells.

The February 2004 assessment included ground water samples from a grid of temporary wells north of the manufacturing building at both on-site and off-site locations to delineate the extent of PCE in ground water in this direction. The assessment activities are described in greater detail below.

Monitoring Well Installation and Sampling

Two permanent and three temporary Type II shallow monitoring wells were installed using the hollow-stem auger (HSA) method on December 29 and 30, 2003. The permanent wells were designated MW-7 and MW-8 while the temporary wells were designated as MWT-1, MWT-2, and MWT-3. The temporary wells were subsequently completed as permanent wells MW-9, MW-10, and MW-11, respectively. The locations of the wells are indicated on Figure 2.

Each well was installed to depths ranging from 18 ft to 20 ft below ground level. During boring advancement, soil samples were collected, described in the field, and screened with an organic vapor analyzer (OVA). Each well is constructed of 2-inch diameter PVC casing and 10 or 15-ft sections of well screen. Monitor well construction data including total well depth and screen interval are presented in Table 1. Boring logs and monitor well construction diagrams are included in Appendix B.

Following installation, H&H developed and purged each of the new monitoring wells using a bailer until pH, temperature, and conductivity stabilized. Existing wells MW-1 through MW-6 were also purged and sampled. Ground water purging and sampling were conducted with new, disposable bailers on December 31, 2003. The ground water samples were analyzed for VOCs by EPA Method 8260 by Prism Laboratories (Prism), a South Carolina certified laboratory. Additionally, the sample from MW-1 (located near a former PCE containment area) was analyzed for geochemical evaluation parameters including nitrate, sulfate, chlorides, total organic carbon (TOC) and methane.

Sample bottles were provided by Prism, and the samples were submitted under chain-of-custody documentation in iced coolers. The laboratory analytical data sheets are provided in Appendix C. The analytical results are discussed in Sections 4.2 and 4.3.

The top of casing elevations of the newly installed monitor wells were determined by survey techniques referenced to an assumed site datum of 100.00 ft for the top of casing elevation of MW-1. The water levels in the wells were measured on December 31, 2003 and January 16, 2004. Monitor well top of casing elevation and water level data are presented in Table 1 and discussed in Section 4.1.

Direct-Push Technology (DPT) Ground Water Sampling

Based upon the December 31, 2003 ground water sampling results, additional assessment was conducted in February 2004 to delineate the extent of PCE in ground water. The additional assessment consisted of collecting ground water samples from a grid of DPT points in the northern portion of the facility and extending north of the Delavan property on to property owned by the County of Bamberg.

On February 11, 2004, H&H mobilized to the site and directed Probe Technologies (a South Carolina certified well driller) during advancement of the DPT borings. The DPT borings were advanced at the locations indicated on Figure 2 and are identified with a "GP" designation. Soil samples were collected continuously from GP-11 for lithologic description. The boring log is included in Appendix B.

A total of 12 DPT borings were advanced and ground water samples collected directly from the DPT borings through 0.010-inch slotted stainless steel well screen using expendable sample tubing. The screens were exposed from 12.5 to 16 ft below grade in each boring with the exception of GP-1 and GP-2. The screens in borings GP-1 and GP-2 were exposed from 16.5 to 20 ft due to lack of water yield at shallower depth. These borings are located in a portion of the site with higher clay content at the 12.5 to 16 ft depth interval. Upon completion of the sampling activities, the borings were properly abandoned to ground surface. Ground water samples from each DPT boring were submitted to Prism for analysis of purgeable halocarbon VOCs by EPA Method 8260. It should be noted that two of the DPT sampling points (GP-2 and GP-7) are located in close proximity to permanent wells (MW-8 and MW-9), and the analytical data indicate excellent correlation of results from the DPT samples and the permanent monitor well samples.

4.0 Results and Conclusions

4.1 Hydrogeologic Conditions

Soils encountered at the site generally consist of surficial silts and sands underlain by either sandy clay or clayey sand with some sand lenses. A sandy clay layer underlies the sands. In the northern portion of the site and off site to the north, the soils tend to be sandier throughout the entire interval from ground surface to boring terminations at approximately 20 ft and less. Generalized cross sections were prepared and are presented in Figures 4 and 5. Locations of the cross section transects are indicated on Figure 3. The boring logs for each of the monitor wells (MW-1 through MW-11) and GP-11 are provided in Appendix B.

Water level data were collected on June 5, July 9, December 31, 2003 and January 16, 2004. The water level data obtained from the site wells are presented in Table 1. Figure 6 is a ground water elevation map depicting the elevation data collected on July 9, 2003 and Figure 7 presents the ground water elevation data collected on January 15, 2004. It should be noted that the data collected in June and July 2003 were not sufficient alone to construct a ground water elevation map. The additional data from the newly installed wells provided sufficient data to confirm the flow regime and the July 2003 map (Figure 6) was constructed using the latter data as a general guide.

Depths to water in July ranged from approximately 2 ft to 11 ft below grade. Ground water elevations were lower in January 2004 and the depths to water ranged from approximately 7 ft to 13 ft. Figure 8 is a hydrograph of the wells MW-1 through MW-6 which were in place for each water level measurement event.

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 8) indicates that water level fluctuations are less pronounced within the ground water trough (MW-1 and MW-3) than in the wells along the flanks (MW-2, MW-4, MW-5, and MW-6). The net result is a seasonal shifting of flow direction and gradients in the central portion of the site.

4.2 Ground Water Analyses

The results of the VOC analyses are summarized on Table 2 for the permanent wells and on Table 3 for the DPT samples. A summary of geochemical parameters is provided on Table 4.

VOCs

Ground water sampling 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 trichloroethene (TCE) and 1,1-dichloroethene (1,1-DCE). TCE is a degradation product of PCE via a process known as reductive dechlorination, and was detected in DPT samples GP-1, GP-4, GP-6, and GP-7. 1,1-DCE was detected in samples from

MW-10 and GP-4, both located in the wooded area north of the building outside of the facility fence.

The PCE concentrations in ground water from the December 2003 and February 2004 ground water sampling events are presented on Figure 9. PCE was detected in 15 of the 23 monitor wells or DPT sampling locations at concentrations ranging from 1.9 to 11,000 µg/l. The extent of PCE detections is generally within the property limits of the Delavan site and 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 (<2 µg/l), to the south by MW-7 (<2 µg/l), to the west by MW-2 (4.5 µg/l), and the northwest by MW-11 (<2 µg/l).

The highest concentration of PCE (11,000 µg/l) was detected in MW-1. Two other areas of PCE are present; 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). The concentrations of PCE in ground water samples from MW-9 and MW-10 were 7,500 µg/l and 5,800 µg/l, respectively.

The MW-1 plume is located near the former PCE containment area. The plume in this area extends to the north and northeast and slightly to the south. PCE detections were noted in MW-3 (220 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 to the north, however, as indicated previously, MW-1 is located just north of the 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.

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 7,500 µg/l of PCE and the source of PCE in this area is unknown. The estimated extent of the PCE in ground water is indicated on Figure 9. Ground water samples collected north of MW-9 from 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. Additionally, the ground water sample from GP-7, located approximately 30 ft northwest of MW-9, contained 5,100 µg/l of PCE and 1,300 µg/l of trichloroethene (TCE). As indicated previously, TCE is a degradation product of PCE via reductive dechlorination.

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 5,800 µg/l of PCE and the source of the PCE in this area is unknown. The sample from MW-10 also contained 520 µg/l of 1,1-dichloroethene (1,1-DCE). The sample from GP-4, located approximately 110 ft southwest of MW-10, contained 290 µg/l of PCE and 6.0 µg/l of 1,1-DCE. 1,1-DCE is a degradation product of 1,1,1-trichloroethane (1,1,1-TCA), which was detected at a low level (1.4 µg/l) in GP-4 but not in any other ground water sample. 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 GP-11 and GP-12. Based on the distribution of PCE in the vicinity of MW-10 and the unique occurrence of 1,1,1-TCA and 1,1-DCE in this area, the source of PCE in the vicinity of MW-10 appears to be distinct and separate from that in the vicinity of MW-1 and MW-9.

Geochemical Parameters

The ground water sample from MW-1 (located near the former southeastern PCE containment area) was analyzed for geochemical evaluation parameters including nitrate, sulfate, chlorides, total organic carbon (TOC) and methane. 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 December 2003.

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 that conditions are appropriate for limited PCE degradation at some areas around the site and limited PCE degradation has occurred. The evidence for PCE degradation includes lower dissolved oxygen concentrations in ground water samples from MW-2, MW-3, MW-4 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 GP-1, GP-4, GP-5, GP-6, and GP-7.

4.3 Conclusions

Results of analysis of ground water samples collected from the monitor well network and the DPT grid confirm the presence of PCE in ground water at the site. PCE was detected at a maximum concentration of 11,000 µg/l during ground water sampling in December 2003 and February 2004. The horizontal extent of the PCE and daughter products in ground water is generally within the Delavan property. Ground water samples collected from the property to the north of the Delavan site owned by Bamberg County did not indicate the presence of target analytes with the exception of one low detection of PCE (1.9 µg/l). Ground water samples collected to the east, northeast, south, west, and northwest portions of the property did not contain PCE above MCLs.

Table 1
Monitoring Well Construction and Ground Water Elevation Data
Delavan Spray Technologies
Bamberg, South Carolina

Well No.	Total Depth	Screen Interval (ft bgl)	Top of Casing Elevation	6/5/2003		7/9/2003		12/31/2003		1/16/2004	
				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
MW-2	18	3-18	100.45	5.81	94.64	4.76	95.69	12.52	87.93	12.73	87.72
MW-3	18	3-18	100.90	11.41	89.49	9.20	91.70	14.11	86.79	14.11	86.79
MW-4	14	4-14	99.99	4.11	95.88	3.59	96.40	10.38	89.61	10.63	89.36
MW-5	14	4-14	98.52	4.72	93.80	3.68	94.84	10.87	87.65	10.81	87.71
MW-6	14	4-14	96.25	2.40	93.85	2.30	93.95	8.09	88.16	7.29	88.96
MW-7	20	5-20	101.82	NI	NI	NI	NI	14.88	86.94	14.93	86.89
MW-8	20	5-20	98.48	NI	NI	NI	NI	12.06	86.42	12.17	86.31
MWT-1/MW-9	20	5-20	97.05	NI	NI	NI	NI	9.82	87.23	9.55	87.50
MWT-2/MW-10	18	3-18	95.26	NI	NI	NI	NI	7.48	87.78	7.52	87.74
MWT-3/MW-11	18	3-18	96.17	NI	NI	NI	NI	8.00	88.17	8.12	88.05

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

Table 2
Monitoring Well Ground Water and Surface Water Analytical Detections
Delavan Spray Technologies
Bamberg, South Carolina

Well No.	Sample Date	Chloromethane ($\mu\text{g/l}$)	cis-1,2-DCE ($\mu\text{g/l}$)	PCE ($\mu\text{g/l}$)	1,1-DCE ($\mu\text{g/l}$)	MTBE ($\mu\text{g/l}$)	1,2,4- Trimethylbenzene ($\mu\text{g/l}$)	Toluene ($\mu\text{g/l}$)	Xylenes ($\mu\text{g/l}$)
Ground Water Samples									
MW-1	6/4/2003	140	<50	15,000	<50	<50	<50	<50	<50
	12/31/2003	<800	<800	11,000	<800	<800	<800	<800	<800
MW-2	6/4/2003	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/31/2003	<2.0	<2.0	4.5	<2.0	<2.0	<2.0	<2.0	<2.0
MW-3	6/4/2003	<1.0	<1.0	74	<1.0	<1.0	<1.0	<1.0	<1.0
	12/31/2003	<2.0	<2.0	220	<2.0	<2.0	<2.0	<2.0	<2.0
MW-4	6/4/2003	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/31/2003	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-5	6/4/2003	<1.0	<1.0	160	<1.0	<1.0	<1.0	<1.0	<1.0
	12/31/2003	<2.0	<2.0	230	<2.0	<2.0	<2.0	<2.0	<2.0
MW-6	6/4/2003	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/31/2003	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-7	12/31/2003	<2.0	<2.0	<2.0	<2.0	<2.0	3.3	<2.0	5.3
MW-8	12/31/2003	<2.0	<2.0	30	<2.0	3.1	2.0	1.9J	4.7
MWT-1/MW-9	12/31/2003	<800	<800	7,500	<800	<800	<800	<800	<800
MWT-2/MW-10	12/31/2003	<200	<200	5,800	520	<200	<200	<200	<200
MWT-3/MW-11	12/31/2003	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MCL		NS	70	5	7	NS	NS	1,000	10,000
Surface Water Sample									
SW-1	6/5/2003	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

MW-1T, MW-2T, MW-3T 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
 Only analytes detected in at least one sample indicated
 Bold indicates concentration exceeds MCL
 NS = Not Specified; MCL = DHEC Maximum Concentration Limit

Table 3
Direct-Push Ground Water Sampling Analytical Detections
Delavan Spray Technologies
Bamberg, South Carolina

Sample Location	Sample Date	1,1-DCE (µg/l)	cis-1,2-DCE (µg/l)	PCE (µg/l)	Trichloroethene (µg/l)	1,1,1-Trichloroethane (µg/l)
Ground Water Samples						
GP-1	2/11/2004	<1	<1	350	8.2	<1
GP-2	2/11/2004	<1	<1	12	<1	<1
GP-3	2/11/2004	<1	<1	59	<1	<1
GP-4	2/11/2004	6.0	5.2	290	9.9	1.4
GP-5	2/11/2004	<1	2.4	22	<1	<1
GP-6	2/11/2004	<1	28	140	82	<1
GP-7	2/11/2004	<10	<10	5,100	1,300	<10
GP-8	2/11/2004	<1	<1	3.4	<1	<1
GP-9	2/11/2004	<1	<1	1.9	<1	<1
GP-10	2/11/2004	<1	<1	<1	<1	<1
GP-11	2/11/2004	<1	<1	<1	<1	<1
GP-12	2/11/2004	<1	<1	<1	<1	<1
MCL		7	70	5	5	200

Notes:

Samples collected directly through DPT stainless steel screen open from 12.5 to 16 ft below grade except GP-1 and GP-2 screened from 16.5-20 ft due to lack of water

Samples analyzed using EPA Method 8260 (601 parameter list)

Only analytes detected in at least one sample indicated

Bold indicates concentration exceeds MCL

MCL = DHEC Maximum Concentration Limit

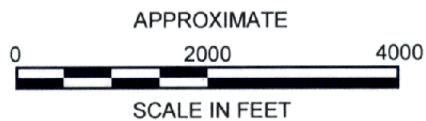
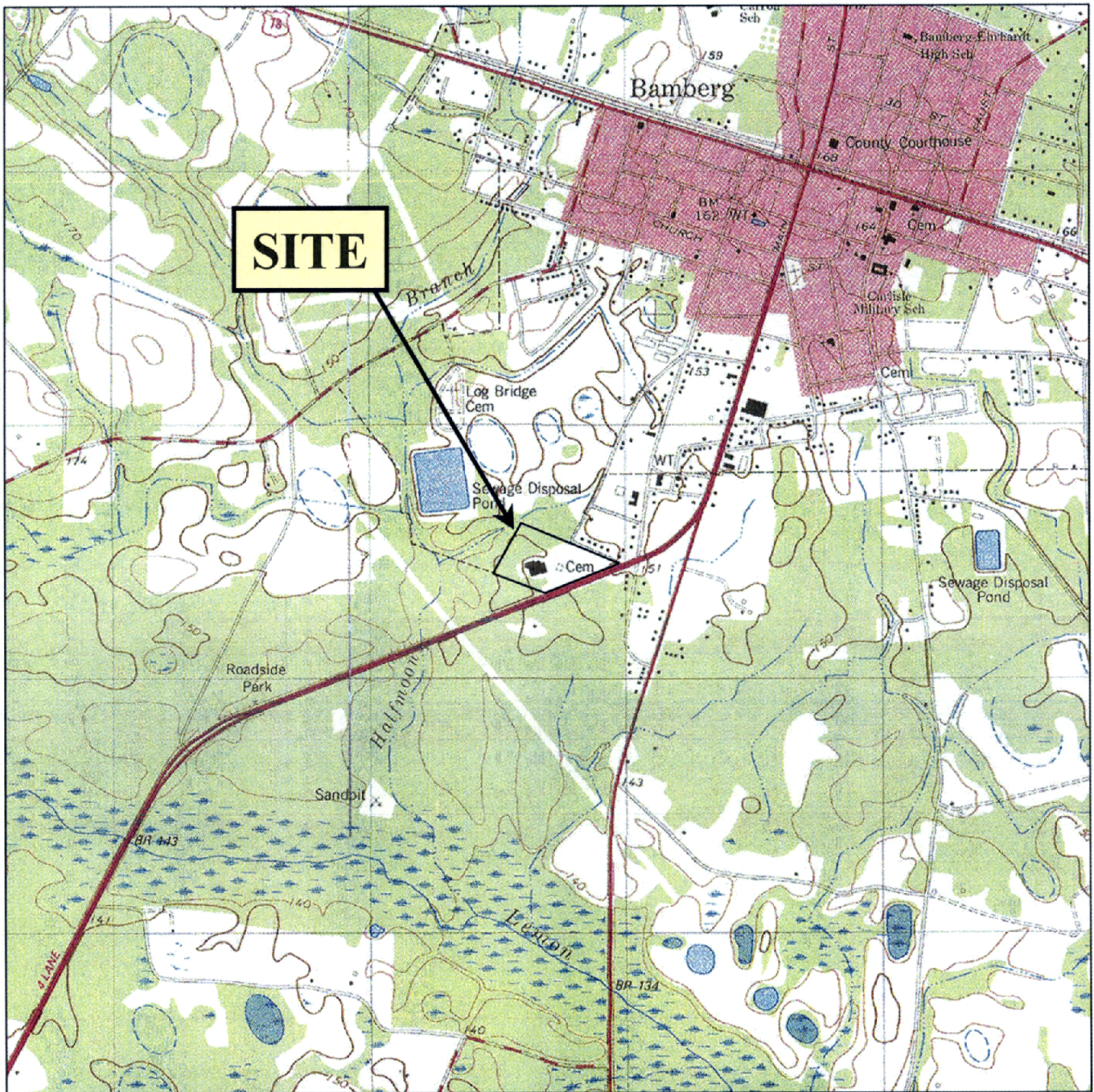
Table 4
Ground Water Geochemical Parameters
Delavan Spray Technologies
Bamberg, South Carolina

Well No.	Sample Date	Dissolved Oxygen (mg/l)	Total Organic Carbon (mg/l)	Methane (mg/l)	Chloride (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	ORP (mV)	pH	Temp. (degrees C)
Ground Water Samples										
MW-1	1/31/2003	2.35	<1.0	0.052	6.6	1.4	7.0	130	4.96	20.7
MW-2	1/31/2003	1.71	NA	NA	NA	NA	NA	106	4.86	20.6
MW-3	1/31/2003	2.37	NA	NA	NA	NA	NA	104	5.06	21.4
MW-4	1/31/2003	1.38	NA	NA	NA	NA	NA	-13	5.42	18.3
MW-5	1/31/2003	4.57	NA	NA	NA	NA	NA	116	5.06	19.4
MW-6	1/31/2003	3.77	NA	NA	NA	NA	NA	77	5.17	18.2
MW-7	1/31/2003	4.01	NA	NA	NA	NA	NA	23	5.23	20.2
MW-8	1/31/2003	4.15	NA	NA	NA	NA	NA	-2	4.98	20.2
MWT-1/MW-9	1/31/2003	1.33	NA	NA	NA	NA	NA	-181	5.89	17.5
MWT-2/MW-10	1/31/2003	4.79	NA	NA	NA	NA	NA	-59	5.55	16.5
MWT-3/MW-11	1/31/2003	4.58	NA	NA	NA	NA	NA	-163	5.39	17.1

Notes:

NA = Not Analyzed

MW-1T, MW-2T, MW-3T initially constructed as temporary wells and then converted to permanent wells MW-9, MW-10, and MW-11, respectively

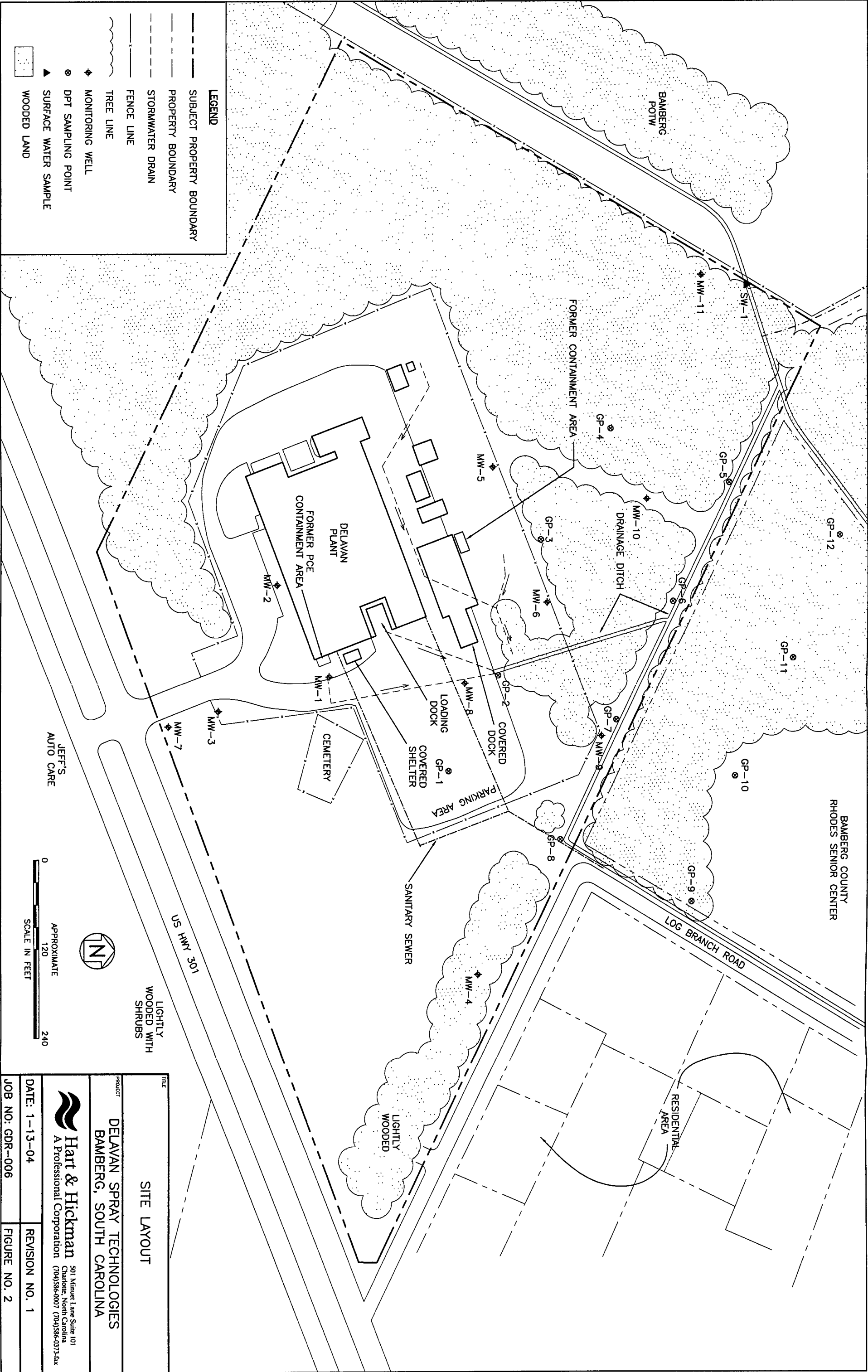


U.S.G.S. QUADRANGLE MAP

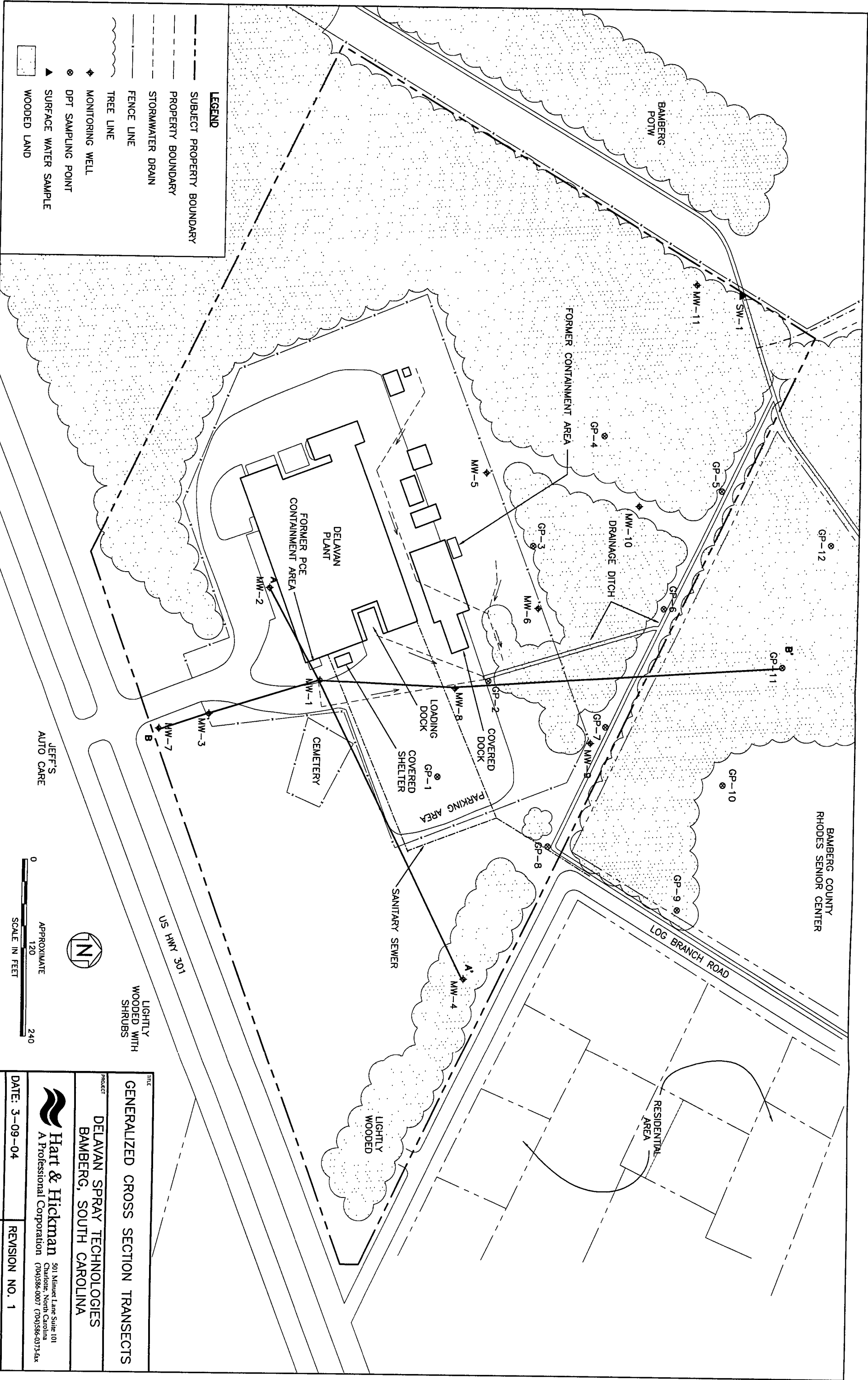
BAMBERG, SC 1979 (PHOTO REVISED 1987)

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

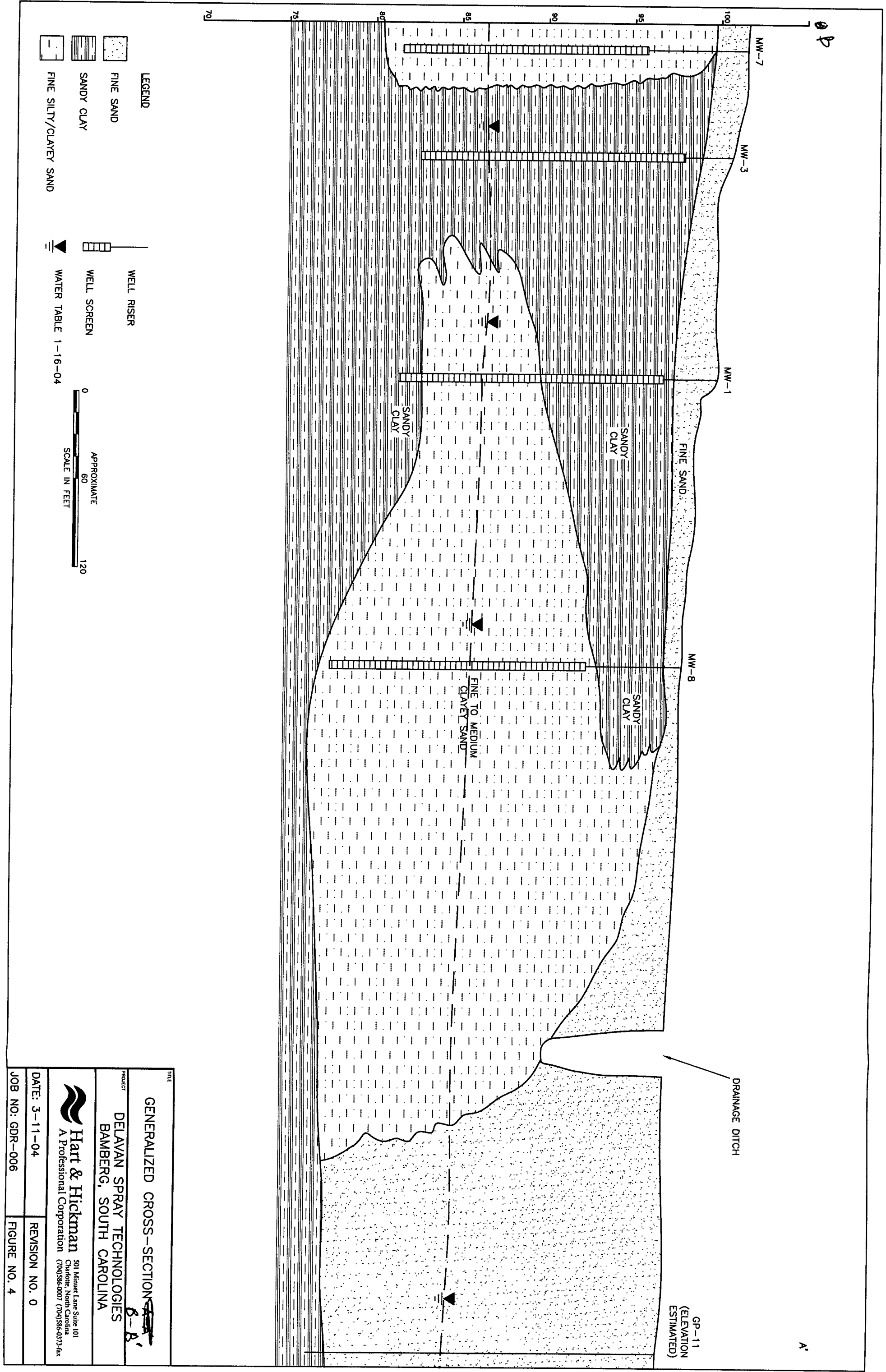
TITLE		SITE LOCATION MAP	
PROJECT		DELANVAN SPRAY TECHNOLOGIES BAMBERG, SOUTH CAROLINA	
 Hart & Hickman 501 Minuet Lane-Suite 101 Charlotte, North Carolina 28217 A Professional Corporation (704)-586-0007 (704)-586-0373 fax			
DATE:	04-09-04	REVISION NO:	0
JOB NO:	GDR-06	FIGURE NO:	1

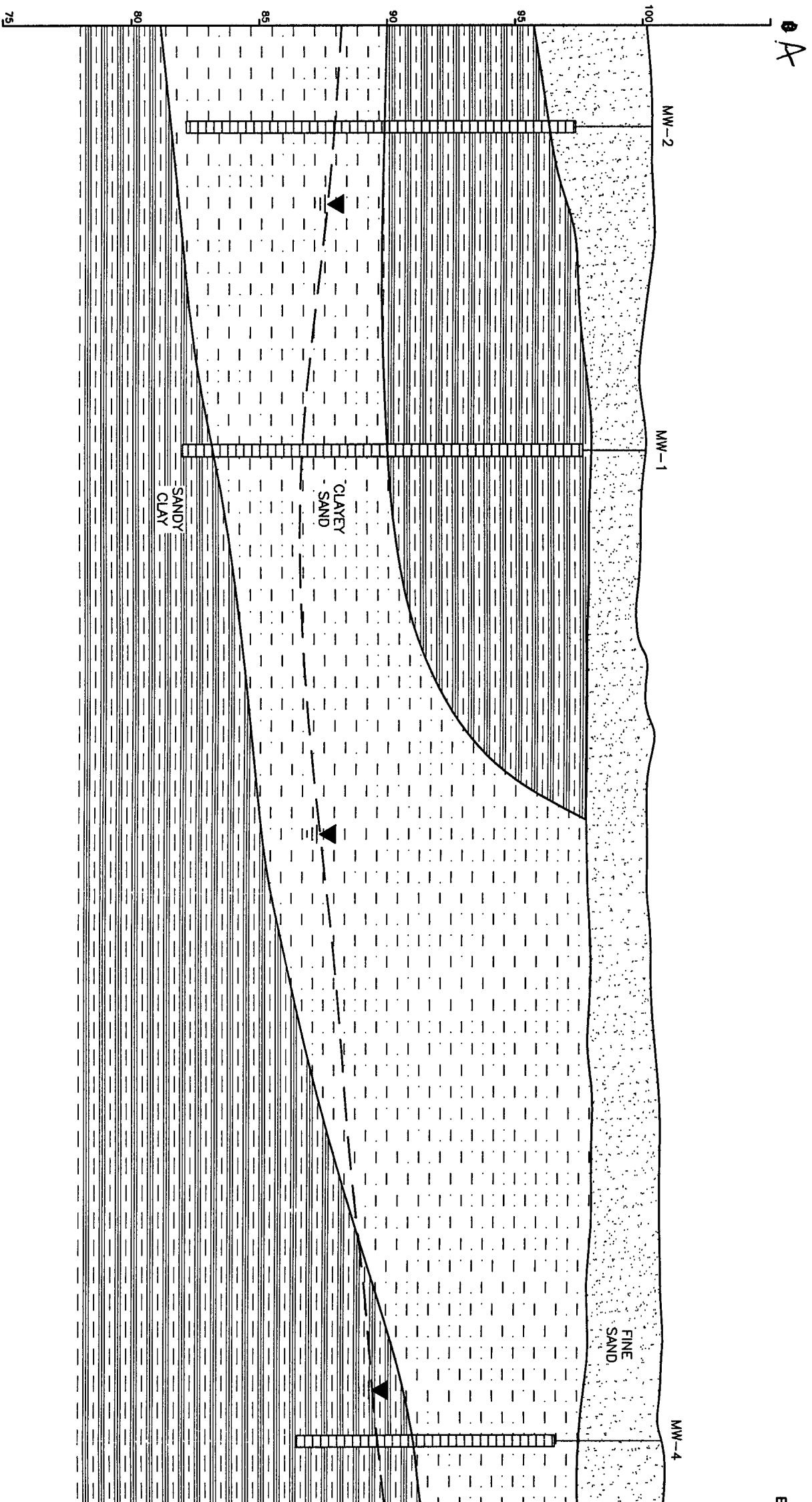


TITLE	
SITE LAYOUT	
PROJECT	
DELAVAN SPRAY TECHNOLOGIES BAMBERG, SOUTH CAROLINA	
Hart & Hickman A Professional Corporation	
501 Minnet Lane Suite 101 Charlotte, North Carolina (704)586-0007 (704)586-0373-fax	
DATE: 1-13-04	REVISION NO. 1
JOB NO: GDR-006	FIGURE NO. 2



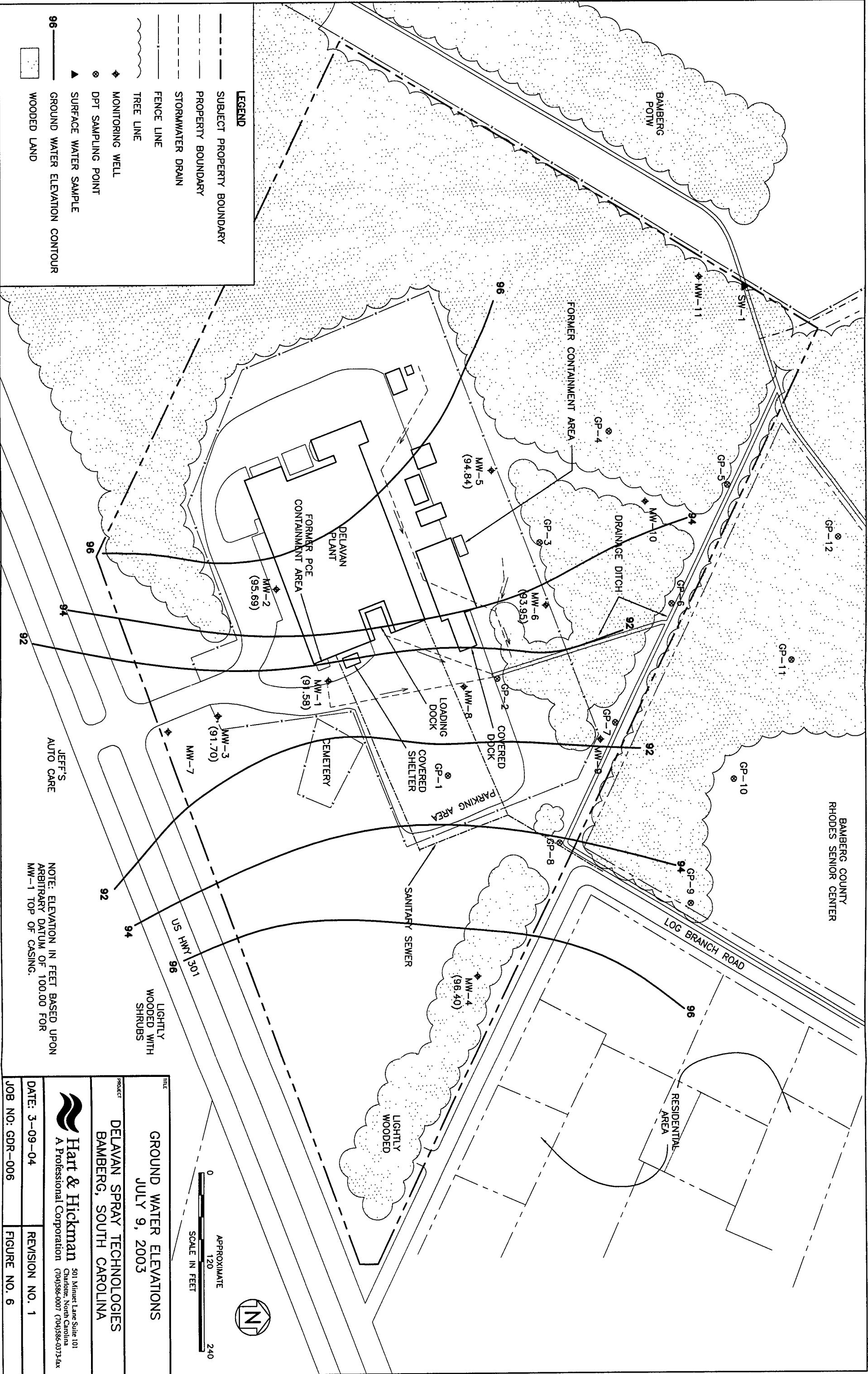
TITLE	
GENERALIZED CROSS SECTION TRANSECTS	
PROJECT	
DELAVAN SPRAY TECHNOLOGIES BAMBERG, SOUTH CAROLINA	
Hart & Hickman A Professional Corporation 501 Minnet Lane Suite 101 Charlotte, North Carolina (704)586-0007 (704)586-0375 fax	
DATE: 3-09-04	REVISION NO. 1
JOB NO: GDR-006	FIGURE NO. 3



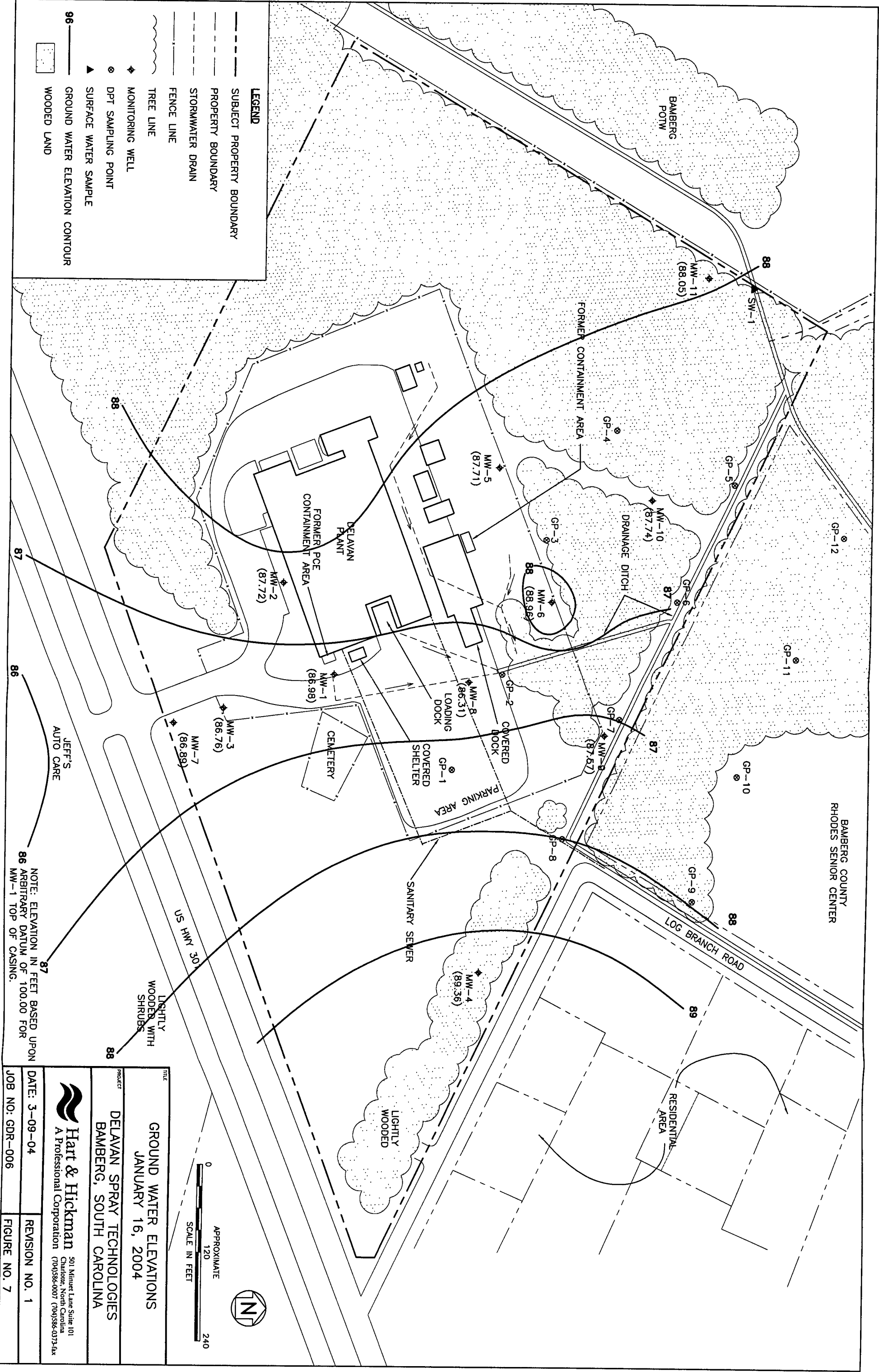


B

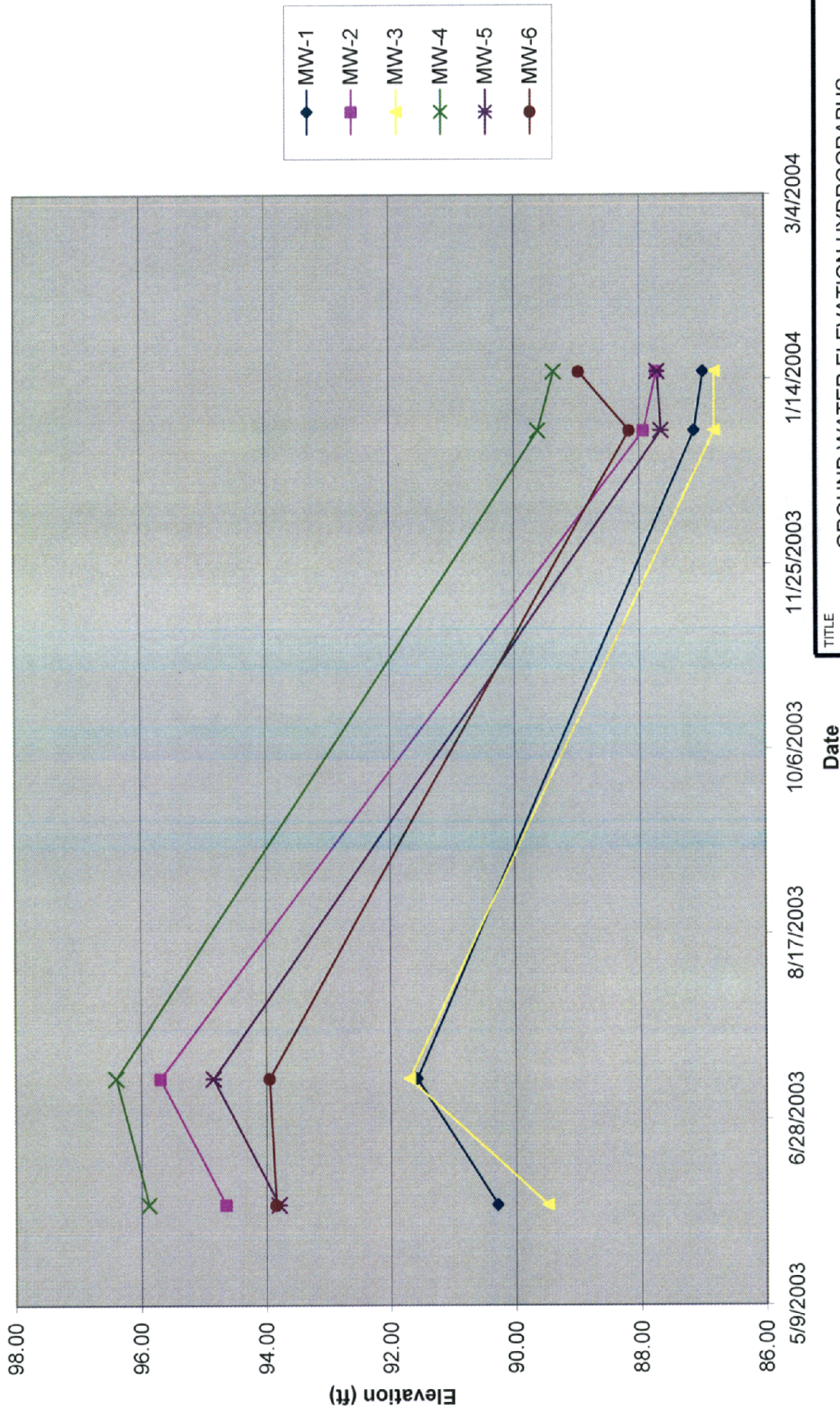
TITLE		GENERALIZED CROSS-SECTION B-B A-A	
PRODUCT		DELAVAN SPRAY TECHNOLOGIES BAMBERG, SOUTH CAROLINA	
 Hart & Hickman A Professional Corporation		501 Minnet Lane Suite 101 Charlotte, North Carolina (704)586-0007 / (704)586-0373-fax	
DATE: 3-11-04	REVISION NO. 0		
JOB NO: GDR-006	FIGURE NO. 5		



TITLE	
GROUND WATER ELEVATIONS	
JULY 9, 2003	
PROJECT	
DELAVAN SPRAY TECHNOLOGIES	
BAMBERG, SOUTH CAROLINA	
Hart & Hickman	
A Professional Corporation	
501 Minnet Lane Suite 101	
Charlotte, North Carolina	
(704)586-0007 (704)586-0372 fax	
DATE: 3-09-04	REVISION NO. 1
JOB NO: GDR-006	FIGURE NO. 6

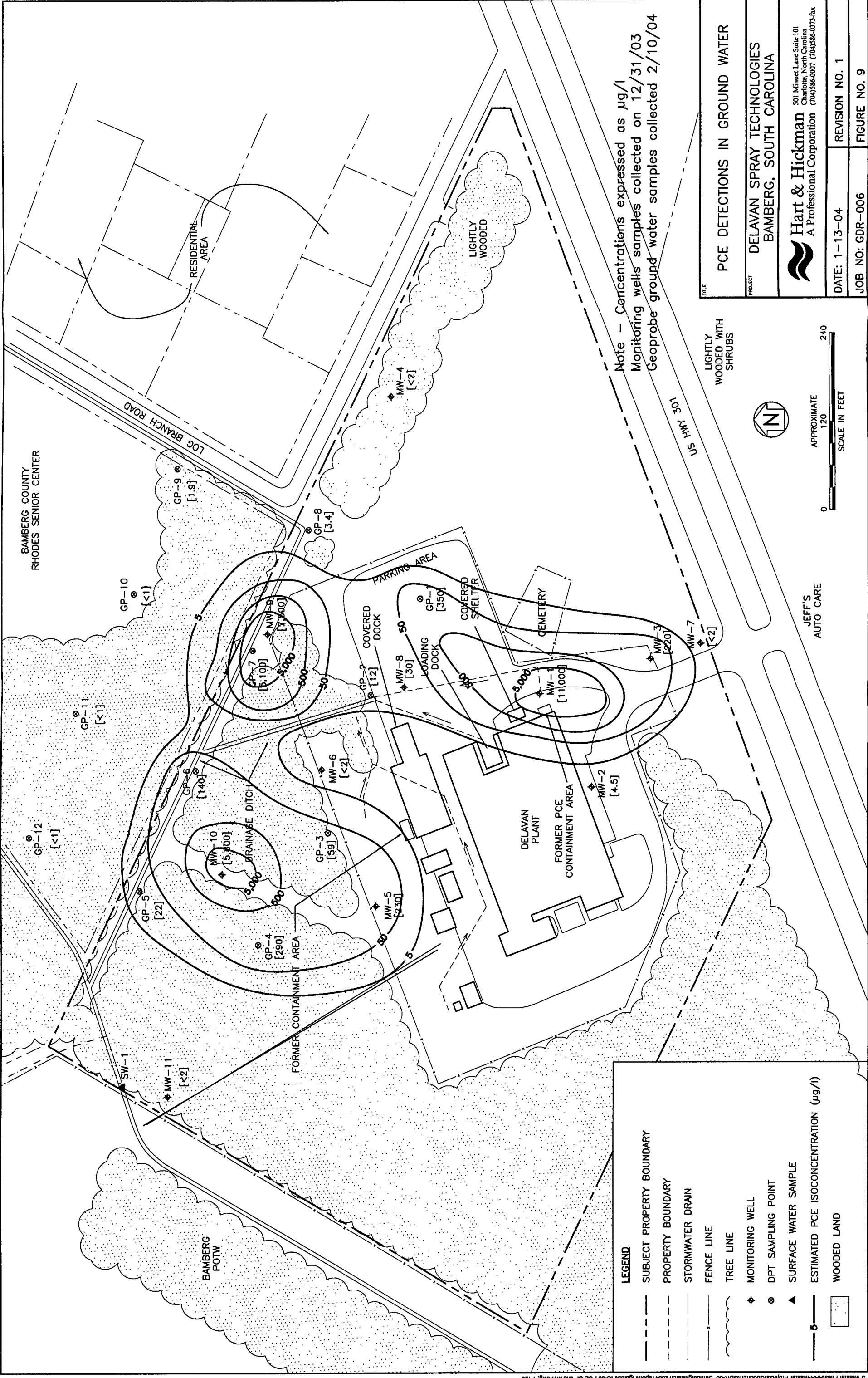


Ground Water Elevation

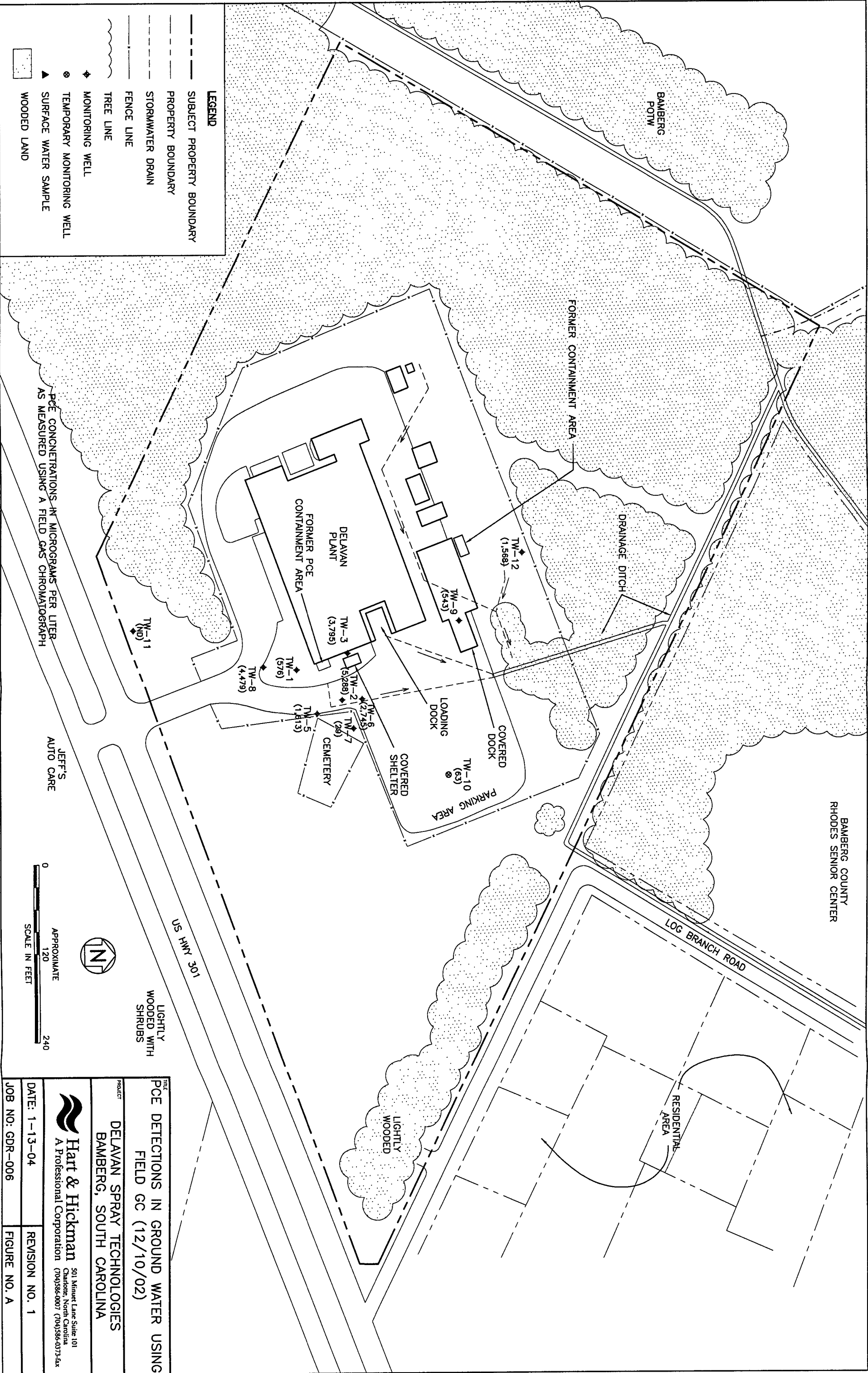


Elevation based on arbitrary elevation of
100.00 ft for MW-1 top of casing

TITLE		GROUND WATER ELEVATION HYDROGRAPHS	
PROJECT		DELAVAN SPRAY TECHNOLOGIES BAMBERG, SOUTH CAROLINA	
		 Hart & Hickman A Professional Corporation 301 Minnet Lane-Suite 101 Charlotte, North Carolina 28217 (704)-586-0007 (704)-586-0373 fax	
DATE:	3-09-04	REVISION NO:	0
JOB NO:	GDR-006	FIGURE NO:	8



Appendix A
Pertinent Maps from Previous Assessment Activities



TITLE PCE DETECTIONS IN GROUND WATER USING FIELD GC (12/10/02)		
PROJECT DELAVAN SPRAY TECHNOLOGIES BAMBERG, SOUTH CAROLINA		
Hart & Hickman A Professional Corporation 501 Minnet Lane Suite 101 Charlotte, North Carolina (704)586-0007 (704)586-0375 fax		
DATE: 1-13-04	REVISION NO. 1	
JOB NO: GDR-006	FIGURE NO. A	

Field GC Data
Delavan Spray Technologies
Bamburg, South Carolina

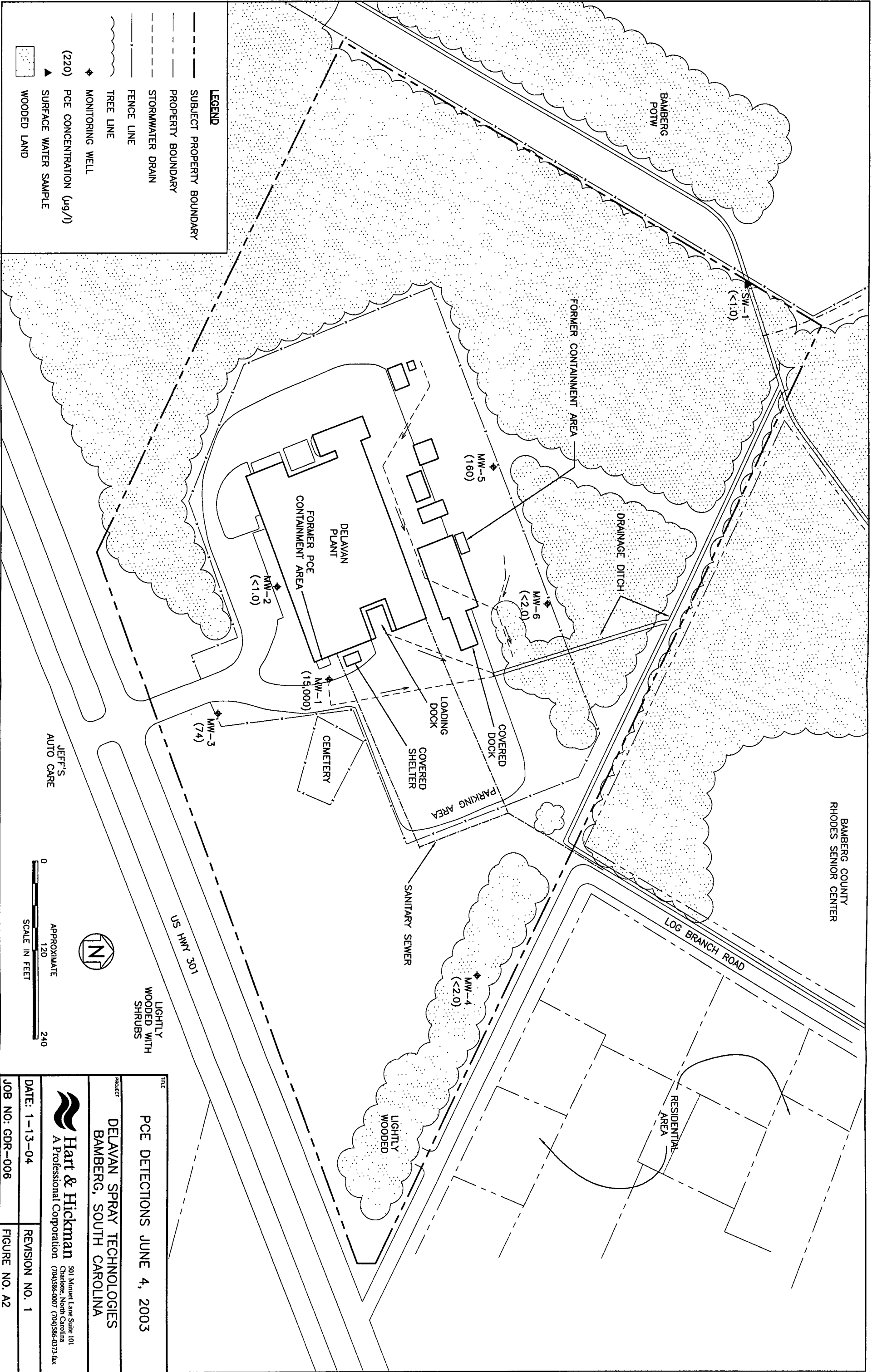
	PCE ($\mu\text{g/l}$)	TCE ($\mu\text{g/l}$)	1,1-DCE ($\mu\text{g/l}$)
TW-1	576	111	66
TW-2	5,288	49	5,647
TW-3	3,795	59	1,360
TW-4	Not Installed		
TW-5	1,613	5	ND
TW-6	2,745	15	ND
TW-7	29	ND	ND
TW-8	4,479	98	56
TW-9	543	ND	ND
TW-10	63	ND	59
TW-11	ND	ND	ND
TW-12	1,568	ND	92

Samples collected on 12/10/02

Samples collected from borings advanced with direct push technology

Boring depths = 24 ft

Note - Field GC calibrated to PCE only. TCE and 1,1-DCE estimated



TITLE	
PCE DETECTIONS JUNE 4, 2003	
PROJECT	
DELAVAN SPRAY TECHNOLOGIES BAMBERG, SOUTH CAROLINA	
Hart & Hickman A Professional Corporation 501 Mineral Lane Suite 101 Charlotte, North Carolina (704)586-0007 (704)586-0373-fax	
DATE: 1-13-04	REVISION NO. 1
JOB NO: GDR-006	FIGURE NO. A2

Appendix B
Boring Logs and Monitor Well Construction Diagrams



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LOG OF BORING: MW-1

Sheet 1 of 1

(10:15-12:30)

Project: Goodrich-Delavan
Job No GDR-006
Location: Bamberg, South Carolina

Surface Elev: 100.36 FT
Top of Casing Elev 100.00 FT Relative to a 100.00 FT Datum Point
Drilling Rig/Method: Dietrich D-50/Track Rig/HSA 4.25"
Sampling Method: Split-Spoon Sampler

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	BKG.	FID (ppm)	SAMP.	WELL DIAGRAM
	0		SM	100%	DRY TO MOIST, DARK BROWN TO LIGHT BROWN SILTY FINE SAND					FLUSH MOUNTED WELL HEAD WITH WATER TIGHT LOCKING WELL CAP
	5		CL	100%	DRY TO MOIST, SOFT TO STIFF, ORANGISH-BROWN TO LIGHT GRAY FINE SANDY CLAY, SOME BROWN FINE SAND	2-3-7-10 (4-6')	0.0	1.9		GROUT
(9.70)	10		SC	100%	MOIST, SOFT TO STIFF, ORANGISH-BROWN CLAYEY FINE SAND	2-7-9-10 (9-11')	0.0	2.5		BENTONITE SEAL
	15		CL	100%	MOIST, SOFT TO MEDIUM STIFF, ORANGISH-BROWN TO LIGHT GRAY FINE SANDY CLAY, SOME WHITE FINE SAND LENSES	2-2-4-5 (14-16')	0.0	16.4		2" SCH 40 PVC 0.010" SLOTTED WELL SCREEN
	20				BORING TERMINATED @ 18 FT					SAND PACK
	25									8" DIAMETER BOREHOLE

Completion Depth: 18 FT
Date Boring Started: 6-4-03
Date Boring Completed: 6-4-03
Engineer/Geologist: SHANNON L. COTTRILL
Drilling Contractor: SAEDACCO, INC.

Remarks:

0	BNR	7/14/03	SLC	MSC	
Revision	DrawnBy	Date	Checked	Approved	



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Sheet 1 of 1

LOG OF BORING: MW-2

(9:00-10:15)

Project: Goodrich-Delavan
Job No: GDR-006
Location: Bamberg, South Carolina

Surface Elev: 100.65 FT
Top of Casing Elev: 100.45 FT Relative to a 100.00 FT Datum Point
Drilling Rig/Method: Dietrich D-50/Track Rig/HSA 4 25"
Sampling Method: Split-Spoon Sampler

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	BKG.	FID (ppm)	SAMP.	WELL DIAGRAM
	0		SM		DRY TO MOIST, DARK BROWN TO LIGHT BROWN SILTY FINE SAND					FLUSH MOUNTED WELL HEAD WITH WATER TIGHT LOCKING WELL CAP
(5.81)	5		CL	100%	DRY TO MOIST, SOFT, BROWN TO ORANGISH-BROWN CLAYEY FINE SAND TO FINE TO MEDIUM SANDY CLAY	1-1-2-4 (4-6')	0.0	1.2		GROUT
	10		CL	100%	MOIST, SOFT TO MEDIUM STIFF, BROWN TO ORANGISH-BROWN CLAYEY FINE TO MEDIUM SAND, SOME FINE SANDY CLAY	1-5-7-8 (9-11')	0.0	2.0		BENTONITE SEAL
	15		SC	100%	WET, MEDIUM STIFF TO STIFF, BROWN TO ORANGISH-BROWN CLAYEY FINE SAND, SOME WHITE FINE SANDY CLAY LENSES, REDDISH-BROWN/BROWN MOTTLING	6-8-8-10 (14-16')	0.0	0.5		2" SCH 40 PVC 0.010" SLOTTED WELL SCREEN
	18				BORING TERMINATED @ 18 FT					SAND PACK
	20									8" DIAMETER BOREHOLE
	25									

Completion Depth: 18 FT
Date Boring Started: 6-4-03
Date Boring Completed: 6-4-03
Engineer/Geologist: SHANNON L. COTTRILL
Drilling Contractor: SAEDACCO, INC

Remarks

0	BNR	7/14/03	SLC	MSC	
Revision	DrawnBy	Date	Checked	Approved	



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Sheet 1 of 1

LOG OF BORING: MW-3

(15:35-16:40)

Project: Goodrich-Delavan
Job No GDR-006
Location: Bamberg, South Carolina

Surface Elev: 101.11 FT
Top of Casing Elev: 100.90 FT Relative to a 100.00 FT Datum Point
Drilling Rig/Method: Dietrich D-50/Track Rig/HSA 4 25"
Sampling Method: Split-Spoon Sampler

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	BKG.	FID (ppm) SAMP.	WELL DIAGRAM
	0		SM		DRY, SOFT TO MEDIUM SOFT, BROWN FINE SAND, SOME DARK SILT (ORGANIC)				FLUSH MOUNTED WELL HEAD WITH WATER TIGHT LOCKING WELL CAP
	5		CL	100%	DRY TO MOIST, BROWN TO LIGHT GRAY FINE SAND GRADING TO LIGHT GRAY FINE TO MEDIUM SANDY CLAY	2-4-5-8 (4-6')	0.0	1.3	GROUT
	10		CL	100%	DRY TO MOIST, BROWN TO ORANGISH-BROWN FINE SAND GRADING TO FINE TO MEDIUM SANDY CLAY, SOME WHITE FINE SAND LENSES	4-7-7-9 (9-11')	0.0	2.1	BENTONITE SEAL
(11.41)	15		CL		BECOMING WET @ 16 FT	(14-16')			2" SCH 40 PVC 0.010" SLOTTED WELL SCREEN
	20				BORING TERMINATED @ 18 FT				SAND PACK
	25								8" DIAMETER BOREHOLE

Completion Depth: 18 FT
Date Boring Started: 6-3-03
Date Boring Completed: 6-4-03
Engineer/Geologist: SHANNON L. COTTRILL
Drilling Contractor: SAEDACCO, INC

Remarks

0	BNR	7/14/03	SLC	MSC	
Revision	DrawnBy	Date	Checked	Approved	

LOG OF BORING: MW-4

(14:00-14:45)

Project: Goodrich-Delavan
Job No GDR-006
Location: Bamberg, South Carolina

Surface Elev: 100.29 FT
Top of Casing Elev: 99.99 FT Relative to a 100.00 FT Datum Point
Drilling Rig/Method: Dietrich D-50/Track Rig/HSA 4.25"
Sampling Method: Split-Spoon Sampler

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries The transition may be gradual.)	SPT, Blow Counts	BKG.	FID (ppm)	SAMP.	WELL DIAGRAM
	0		SM		DRY, SOFT, DARK BROWN TO BROWN SILTY FINE SAND					FLUSH MOUNTED WELL HEAD WITH WATER TIGHT LOCKING WELL CAP
(4.11)	5	X	SC	90%	DRY TO MOIST, SOFT TO MEDIUM STIFF, BROWN TO LIGHT GRAY FINE TO MEDIUM SANDY CLAY GRADING TO CLAYEY FINE SAND	2-6-11-10 (4-6')	0.0	1.3		GROUT
	10	X	CL	100%	DRY TO MOIST, SOFT TO MEDIUM STIFF, BROWN TO LIGHT GRAY FINE TO MEDIUM SANDY CLAY, SOME BROWN AND GRAY FINE SAND LENSES	1-5-5-8 (9-11')	0.0	3.8		BENTONITE SEAL
	15				BORING TERMINATED @ 14 FT					2" SCH 40 PVC 0.010" SLOTTED WELL SCREEN
	20									SAND PACK
	25									8" DIAMETER BOREHOLE

Completion Depth: 14 FT
Date Boring Started: 6-3-03
Date Boring Completed: 6-4-03
Engineer/Geologist: SHANNON L. COTTRILL
Drilling Contractor SAEDACCO, INC

Remarks.

0	BNR	7/14/03	SLC	MSC	
Revision	DrawnBy	Date	Checked	Approved	

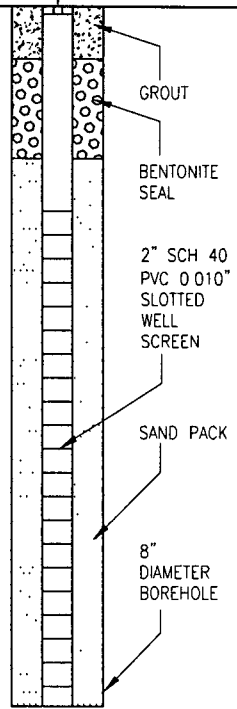
LOG OF BORING: MW-5

Sheet 1 of 1

(11:40-12:20)

 Project: Goodrich-Delavan
 Job No: GDR-006
 Location: Bamberg, South Carolina

 Surface Elev: 98.88 FT
 Top of Casing Elev: 98.52 FT Relative to a 100.00 FT Datum Point
 Drilling Rig/Method: Dietrich D-50/Track Rig/HSA 4.25"
 Sampling Method: Split-Spoon Sampler

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	BKG.	FID (ppm) SAMP.	WELL DIAGRAM
	0		SM		DRY, BROWNISH-YELLOW FINE TO MEDIUM SAND, SOME DARK BROWN SILT (ORGANIC)				
(4.72)	5		SC	90%	DRY TO MOIST, SOFT TO MEDIUM STIFF, ORANGISH-BROWN FINE TO MEDIUM SANDY CLAY GRADING CLAYEY FINE TO MEDIUM SAND	1-3-5-8 (4-6')	0.0	1.2	
	10		CL	100%	MOIST, SOFT TO MEDIUM STIFF, ORANGISH-BROWN FINE TO MEDIUM SANDY CLAY, SOME WHITE FINE SAND LENSES	2-5-6-8 (9-11')	0.0	0.8	
	15				BORING TERMINATED @ 14 FT				
	20								
	25								

 Completion Depth: 14 FT
 Date Boring Started: 6-3-03
 Date Boring Completed: 6-4-03
 Engineer/Geologist: SHANNON L. COTTRILL
 Drilling Contractor: SAEDACCO, INC

Remarks

0	BNR	7/14/03	SLC	MSC
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LOG OF BORING: MW-6

Sheet 1 of 1

(10:10-11:30)

Project: Goodrich-Delavan
Job No: GDR-006
Location: Bamberg, South Carolina

Surface Elev: 96.51 FT
Top of Casing Elev: 96.25 FT Relative to a 100.00 FT Datum Point
Drilling Rig/Method: Dietrich D-50/Track Rig/HSA 4 25"
Sampling Method: Split-Spoon Sampler

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	BKG.	FID (ppm)	SAMP.	WELL DIAGRAM
	0		SM		DRY, BROWNISH-YELLOW FINE TO MEDIUM SAND, SOME SILT (ORGANIC)					
(2.40)	5		SC	95%	DRY TO MOIST, SOFT TO MEDIUM STIFF, ORANGISH-BROWN FINE SANDY CLAY TO CLAYEY FINE TO MEDIUM SAND, SOME WHITE SAND LENSES	4-7-8-8 (4-6')	0.0	0.0		
	10		SM	80%	WET, SOFT, ORANGISH-BROWN MEDIUM SAND	3-5-4-3 (9-11')	0.0	0.0		
	15		SC	90%	WET TO MOIST, SOFT, ORANGISH-BROWN MEDIUM SAND GRADING TO WHITE FINE SANDY CLAY, SOME REDDISH-BROWN VEINS APPARENT	1-1-2-2 (9-11')	0.0	1.2		
					BORING TERMINATED @ 16 FT					
	20									
	25									

Completion Depth: 14 FT
Date Boring Started: 6-3-03
Date Boring Completed: 6-4-03
Engineer/Geologist: SHANNON L. COTTRILL
Drilling Contractor: SAEDACCO, INC.

Remarks:

0	BNR	7/14/03	SLC	MSC	
Revision	DrawnBy	Date	Checked	Approved	



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LOG OF BORING: MW-7

Project: Goodrich-Delavan
Job No: GDR-006
Location: Bamberg, South Carolina

Surface Elev. N/A
Top of Casing Elev. N/A
Drilling Rig/Method: DT6600 GEOPROBE/ TRACK RIG/ 3.25" I.D HSA
Sampling Method: GEOPROBE SAMPLER

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	BKG.	FID (ppm)	SAMP.	WELL DIAGRAM
	0				DRY TO MOIST, SOFT DARK BROWN TO LIGHT BROWN SILTY FINE SAND GRADING TO SAND	0.0-2.5'	0.0	0.0		FLUSH MOUNTED WELL HEAD WITH WATER TIGHT LOCKING WELL CAP
				55%	DRY TO MOIST, SOFT, BROWN TO ORANGISH-BROWN CLAY FINE TO MEDIUM SAND	2.5-5.0'	0.0	0.0		GROUT
	5					5.0-7.5'	0.0	0.0		BENTONITE SEAL
				100%		7.5-10.0'	0.0	0.0		2" SCH 40 PVC 0.010" SLOTTED WELL SCREEN
	10					10.0-12.5'	0.0	0.0		SAND PACK
				100%		12.5-15'	0.0	5.1		
	15			95%	MOIST TO WET, MEDIUM STIFF TO STIFF, ORANGISH-BROWN CLAYEY FINE TO MEDIUM SAND, SOME FINE WHITE SAND LENSES, INCREASING CLAY CONTENT WITH DEPTH, CLAY LENSES REDDISH-BROWN TO WHITE	15.0-17.5'	0.0	7.8		8" DIAMETER BOREHOLE
						17.5-20.0'	0.0	8.7		
	20				BORING TERMINATED @ 20 FT					
	25									

Completion Depth. 18 FT
Date Boring Started: 12-30-03
Date Boring Completed: 12-30-03
Engineer/Geologist: SHANNON L COTTRILL
Drilling Contractor: SEI, LLC.

Remarks:

0	BNR	3/15/04	SLC	MSC
Revision	DrawnBy	Date	Checked	Approved



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LOG OF BORING: MW-8

Project: Goodrich-Delavan
Job No: GDR-006
Location: Bamberg, South Carolina

Surface Elev: N/A
Top of Casing Elev: N/A
Drilling Rig/Method: DT6600 GEOPROBE/ TRACK RIG/ 3.25" I.D HSA
Sampling Method: GEOPROBE SAMPLER

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	BKG.	FID (ppm)	SAMP.	WELL DIAGRAM
	0				ASPHALT 2-INCHES THICK					FLUSH MOUNTED WELL HEAD WITH WATER TIGHT LOCKING WELL CAP
				85%	DRY TO MOIST, MEDIUM STIFF, REDDISH-BROWN TO ORANGISH-BROWN CLAYEY FINE SAND GRADING TO FINE SANDY CLAY	0.0-2.5'	0.0	0.0		
						2.5-5.0'	0.0	0.0		GROUT
	5				DRY TO MOIST, MEDIUM STIFF TO STIFF, REDDISH-BROWN TO ORANGISH-BROWN CLAYEY FINE TO MEDIUM SAND	5.0-7.5'	0.0	0.0		BENTONITE SEAL
				100%		7.5-10.0'	0.0	0.0		2" SCH 40 PVC 0.010" SLOTTED WELL SCREEN
	10				SAND BECOMING INCREASINGLY COARSE, GRAVELS-1/8" APPARENT	10.0-12.5'	0.0	0.0		SAND PACK
				100%	WET @ 12.5 FT					
					WET, MEDIUM STIFF, REDDISH, ORANGISH, YELLOWISH-BROWN CLAYEY SAND, SOME WHITE FINE SAND LENSES	12.5-15'	0.0	0.0		
	15					15.0-17.5'	0.0	0.0		8" DIAMETER BOREHOLE
				100%	WET, MEDIUM STIFF, REDDISH-WHITE TO PINK CLAYEY FINE SAND	17.5-20.0'	0.0	0.0		
	20				BORING TERMINATED @ 20 FT					
	25									

Completion Depth: 20 FT
Date Boring Started: 12-29-03
Date Boring Completed: 12-29-03
Engineer/Geologist: SHANNON L. COTTRILL
Drilling Contractor: SEI, LLC.

Remarks:

0	BNR	3/15/04	SLC	MSC	
Revision	DrawnBy	Date	Checked	Approved	



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LOG OF BORING: MWT-1/MW-9

Project: Goodrich-Delavan
Job No. GDR-006
Location: Bamberg, South Carolina

Surface Elev: N/A
Top of Casing Elev. N/A
Drilling Rig/Method: DT6600 GEOPROBE/ TRACK RIG/ 3.25" I.D HSA
Sampling Method: GEOPROBE SAMPLER

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	BKG.	FID (ppm)	SAMP.	WELL DIAGRAM
	0				DRY TO MOIST, SOFT, DARK BROWN SILTY FINE SAND					FLUSH MOUNTED WELL HEAD WITH WATER TIGHT LOCKING WELL CAP
				100%	DRY TO MOIST, SOFT TO MEDIUM STIFF, ORANGISH-BROWN TO WHITE CLAYEY FINE TO MEDIUM SAND	0.0-2.5'	0.0	0.0		
						2.5-5.0'	0.0	0.0		GROUT
	5				MOIST, SOFT TO MEDIUM STIFF, LIGHT BROWN TO LIGHT GRAY CLAYEY FINE TO MEDIUM SAND	5.0-7.5'	0.0	2.2		BENTONITE SEAL
				100%		7.5-10.0'	0.0	7.1		2" SCH 40 PVC 0.010" SLOTTED WELL SCREEN
	10				BECOMING WET	10.0-12.5'	0.0	7.9		SAND PACK
				100%	WET, SOFT TO MEDIUM STIFF, LIGHT BROWN TO REDDISH-PINK AND GRAY CLAYEY FINE SAND	12.5-15'	0.0	8.2		
	15				WET, SOFT TO MEDIUM STIFF, LIGHT BROWN CLAYEY FINE TO MEDIUM SAND GRADING TO REDDISH, PINK AND GRAY FINE SANDY CLAY, VERY PLASTIC	15.0-17.5'	0.0	19.1		8" DIAMETER BOREHOLE
				100%		17.5-20.0'	0.0	17.5		
	20				BORING TERMINATED @ 20 FT					
	25									

Completion Depth: 20 FT
Date Boring Started: 12-29-03
Date Boring Completed: 12-29-03
Engineer/Geologist: SHANNON L. COTTRILL
Drilling Contractor: SEI, LLC.

Remarks:

0	BNR	3/15/04	SLC	MSC
Revision	DrawnBy	Date	Checked	Approved



Hart & Hickman
A Professional Corporation

501 Minuet Lane Suite 101
Charlotte, North Carolina
(704)586-0007 (704)586-0373-Fax

LOG OF BORING: MWT-2/MW-10

Sheet 1 of 1

(15:35-16:40)

Project: Goodrich-Delavan
Job No: GDR-006
Location: Bamberg, South Carolina

Surface Elev: N/A
Top of Casing Elev. N/A
Drilling Rig/Method: DT6600 GEOPROBE/ TRACK RIG/ 3.25" 1.D HSA
Sampling Method: GEOPROBE SAMPLER

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	BKG.	FID (ppm)	SAMP.	WELL DIAGRAM
0	0				MOIST, SOFT, DARK BROWN TO LIGHT BROWN SILTY FINE SAND GRADING TO REDDISH-BROWN FINE SANDY CLAY	0.0-2.5'	0.0	0.2		FLUSH MOUNTED WELL HEAD WITH WATER TIGHT LOCKING WELL CAP
				90%	MOIST, SOFT TO MEDIUM STIFF, REDDISH-BROWN TO LIGHT GRAY FINE SANDY CLAY, REDDISH AND YELLOW MOTTLING	2.5-5.0'	0.0	2.1		GROUT
	5					5.0-7.5'	0.0	4.2		BENTONITE SEAL
				100%	MOIST TO WET, MEDIUM STIFF, LIGHT BROWN TO LIGHT GRAY CLAYEY FINE TO MEDIUM SAND	7.5-10.0'	0.0	2.7		2" SCH 40 PVC 0.010" SLOTTED WELL SCREEN
	10			100%	WET, MEDIUM STIFF, TAN TO LIGHT GRAY CLAYEY FINE TO MEDIUM SAND, CLAY CONTENT DECREASING WITH DEPTH	10.0-12.5'	0.0	3.4		SAND PACK
					WET, MEDIUM STIFF, WHITE FINE TO MEDIUM SAND	12.5-15'	0.0	26.2		8" DIAMETER BOREHOLE
	15			0%	NO RECOVERY					
					BORING TERMINATED @ 18 FT					
	20									
	25									

Completion Depth: 18 FT
Date Boring Started: 12-30-03
Date Boring Completed: 12-30-03
Engineer/Geologist: SHANNON L. COTTRILL
Drilling Contractor: SEI, LLC.

Remarks

0	BNR	3/15/04	SLC	MSC
Revision	Drawn By	Date	Checked	Approved



Hart & Hickman
A Professional Corporation

501 Minuet Lane Suite 101
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: MWT-3/MW-11

Sheet 1 of 1

(15:35-16:40)

Project: Goodrich-Delavan

Job No: GDR-006

Location: Bamberg, South Carolina

Surface Elev: N/A

Top of Casing Elev. N/A

Drilling Rig/Method: DT6600 GEOPROBE/ TRACK RIG/ 3.25" 1.D HSA

Sampling Method: GEOPROBE SAMPLER

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	BKG.	FID (ppm)	SAMP.	WELL DIAGRAM
	0				MOIST, SOFT, DARK BROWN TO LIGHT YELLOWISH-BROWN SILTY FINE SAND, GRADING TO FINE SAND, SOME ORGANIC MATERIAL	0.0-2.5'	0.0	5.1		FLUSH MOUNTED WELL HEAD WITH WATER TIGHT LOCKING WELL CAP
				60%	MOIST, SOFT, YELLOWISH-BROWN FINE SAND GRADING TO LIGHT GRAY CLAYEY FINE TO MEDIUM SAND	2.5-5.0'	0.0	8.5		GROUT
	5				MOIST, SOFT, REDDISH-BROWN TO LIGHT GRAY FINE SANDY CLAY	5.0-7.5'	0.0	9.7		BENTONITE SEAL
				100%	MOIST TO WET, SOFT TO MEDIUM STIFF, LIGHT BROWN TO LIGHT GRAY CLAYEY FINE TO MEDIUM SAND	7.5-10.0'	0.0	12.1		2" SCH 40 PVC 0.010" SLOTTED WELL SCREEN
	10				WET, MEDIUM STIFF, LIGHT GRAY TO WHITE FINE TO MEDIUM SAND	10.0-12.5'	0.0	12.5		SAND PACK
				100%		12.5-15'	0.0	24.1		
	15				6" LAYER OF FINE SANDY CLAY					8" DIAMETER BOREHOLE
				0%	NO RECOVERY, APPEARS TO BE FINE TO MEDIUM SANDS FROM CUTTINGS					
					BORING TERMINATED @ 18 FT					
	20									
	25									

Completion Depth: 18 FT

Date Boring Started 12-30-03

Date Boring Completed: 12-30-03

Engineer/Geologist: SHANNON L. COTTRILL

Drilling Contractor: SEI, LLC.

Remarks.

0

BNR

3/15/04

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MSC

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DrawnBy

Date

Checked

Approved



Hart & Hickman
A Professional Corporation

501 Minuet Lane Suite 101
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: GP-11

(10:10-11:30)

Project: Goodrich-Delavan
Job No: GDR-006
Location: Bamberg, South Carolina

Surface Elev: N/A
Top of Casing Elev N/A
Drilling Rig/Method: 5400 SERIES GEOPROBE/TRACK RIG/DPT
Sampling Method: Split-Spoon Sampler

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	BKG.	FID (ppm) SAMP.	WELL DIAGRAM
	0				MOIST, MEDIUM STIFF, LIGHT BROWN TO TAN SILTY FINE SAND, SOME ORGANIC MATERIAL	(0.0-1.5')			
			SC	80%	MOIST, MEDIUM STIFF, BROWN CLAYEY FINE SAND	(1.5-4.0')			
	5		SM	100%	MOIST, MEDIUM STIFF, BROWN TO LIGHT GRAY CLAYEY FINE SAND GRADING TO PREDOMINATELY FINE SAND	(4-8')			
	10		SM	70%	MOIST, MEDIUM STIFF, LIGHT GRAY FINE SAND WET @ 10.5 FT	(8-14')			
	15		CL	100%	MOIST TO WET, MEDIUM STIFF, LIGHT TAN CLAYEY FINE SAND GRADING TO FINE SANDY CLAY	(14-16')			
					BORING TERMINATED @ 16 FT BORING ABANDONED ON 2-11-04				
	20								
	25								

Completion Depth: 16 FT
Date Boring Started: 2-11-04
Date Boring Completed: 2-11-04
Engineer/Geologist: SHANNON L. COTTRILL
Drilling Contractor: PROBE TECHNOLOGY, INC

Remarks:

0	BNR	3/15/04	SLC	MSC	
Revision	DrawnBy	Date	Checked	Approved	

Appendix C

Laboratory Analytical Data

Lab Report



Full Service Analytical And Environmental Solutions

1/9/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-1
Prism Sample ID: AD04315 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/30/03 13:30
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TOTAL ORGANIC CARBON	Less than	mg/L	1.00	415.1	1/3/04 13:18	TAI
METHANE	52.0	ug/L	26	8015/RSK175M	1/6/04 10:55	TAI
ACETONE	Not detected	ug/L	2000	SW846-8260B	1/7/04 14:23	KC
BENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
BROMOBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
BROMOCHLOROMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
BROMOFORM	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
BROMOMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
N-BUTYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
SEC-BUTYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
TERT-BUTYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
CARBON TETRACHLORIDE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
CHLOROBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
CHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	2000	SW846-8260B	1/7/04 14:23	KC
CHLOROFORM	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
CHLOROMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
2-CHLOROTOLUENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
4-CHLOROTOLUENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,2-DIBROMOETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
DIBROMOMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,1-DICHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,2-DICHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,1-DICHLOROETHENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC

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449 Springbrook Road - PO Box 240543 - Charlotte, NC 28224-0543

Phone: 704-529-6364 - Toll Free Number: 1-800-529-6364 - Fax: 704-525-0409

Lab Report



Full Service Analytical And Environmental Solutions

1/9/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-1
Prism Sample ID: AD04315 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/30/03 13:30
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2-DICHLOROPROPANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,3-DICHLOROPROPANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
2,2-DICHLOROPROPANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,1-DICHLOROPROPENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
ETHYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
HEXACHLOROBUTADIENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
ISOPROPYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
P-ISOPROPYLTOLUENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
METHYLENE CHLORIDE	Not detected	ug/L	2000	SW846-8260B	1/7/04 14:23	KC
NAPHTHALENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
N-PROPYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
STYRENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
TETRACHLOROETHENE	11000	ug/L	800	SW846-8260B	1/7/04 14:23	KC
TOLUENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
TRICHLOROETHENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
VINYL CHLORIDE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
TOTAL XYLENES	Not detected	ug/L	2000	SW846-8260B	1/7/04 14:23	KC
BROMODICHLOROMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
ACROLEIN	Not detected	ug/L	8000	SW846-8260B	1/7/04 14:23	KC
ACRYLONITRILE	Not detected	ug/L	8000	SW846-8260B	1/7/04 14:23	KC

Lab Report



Full Service Analytical And Environmental Solutions

1/9/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-1
Prism Sample ID: AD04315 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/30/03 13:30
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METHYL ETHYL KETONE	Not detected	ug/L	2000	SW846-8260B	1/7/04 14:23	KC
MTBE	Not detected	ug/L	800	SW846-8260B	1/7/04 14:23	KC
SURR: DIBROMOFLUOROMETHANE	100	%	74-133	SW846-8260B	1/7/04 14:23	KC
SURR: TOLUENE-D8	102	%	75-121	SW846-8260B	1/7/04 14:23	KC
SURR: BROMOFLUOROBENZENE	110	%	69-139	SW846-8260B	1/7/04 14:23	KC
DILUTION FACTOR	400	ug/L		SW846-8260B	1/7/04 14:23	KC

Sample Comments:

TOC and Methane analyses subcontracted to NC certified lab # 387.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



Full Service Analytical And Environmental Solutions

1/9/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-2
Prism Sample ID: AD04316 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/30/03 17:15
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ACETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 08:03	KC
BENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
BROMOBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
BROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
BROMOFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
BROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
N-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
SEC-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
TERT-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
CARBON TETRACHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
CHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
CHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	5	SW846-8260B	1/7/04 08:03	KC
CHLOROFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
CHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
2-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
4-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,2-DIBROMOETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
DIBROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,1-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,2-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,1-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,3-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519
449 Springbrook Road - PO Box 240543 - Charlotte, NC 28224-0543

Phone: 704-529-6364 - Toll Free Number: 1-800-529-6364 - Fax: 704-525-0409

Lab Report



Full Service Analytical And Environmental Solutions

1/9/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-2
Prism Sample ID: AD04316 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/30/03 17:15
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,1-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
ETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
HEXACHLOROBUTADIENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
ISOPROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
P-ISOPROPYLTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	SW846-8260B	1/7/04 08:03	KC
NAPHTHALENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
N-PROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
STYRENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
TETRACHLOROETHENE	4.5	ug/L	2	SW846-8260B	1/7/04 08:03	KC
TOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
TRICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
VINYL CHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
TOTAL XYLENES	Not detected	ug/L	4	SW846-8260B	1/7/04 08:03	KC
BROMODICHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC
ACROLEIN	Not detected	ug/L	20	SW846-8260B	1/7/04 08:03	KC
ACRYLONITRILE	Not detected	ug/L	20	SW846-8260B	1/7/04 08:03	KC
METHYL ETHYL KETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 08:03	KC
MTBE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:03	KC

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Lab Report



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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-2
Prism Sample ID: AD04316 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/30/03 17:15
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
SURR: DIBROMOFLUOROMETHANE	100	%	74-133	SW846-8260B	1/7/04 08:03	KC
SURR: TOLUENE-D8	100	%	75-121	SW846-8260B	1/7/04 08:03	KC
SURR: BROMOFLUOROBENZENE	108	%	69-139	SW846-8260B	1/7/04 08:03	KC
DILUTION FACTOR	1	ug/L		SW846-8260B	1/7/04 08:03	KC

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: **Goodrich-Delvan**
Customer Sample ID: **MW-3**
Prism Sample ID: **AD04317** Matrix: groundwater
Login Group: **4962L12**
Sample Collection Date/Time: **12/30/03 14:40**
Lab Submittal Date/Time: **12/31/03 16:20**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ACETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 11:51	KC
BENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
BROMOBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
BROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
BROMOFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
BROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
N-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
SEC-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
TERT-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
CARBON TETRACHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
CHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
CHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	5	SW846-8260B	1/7/04 11:51	KC
CHLOROFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
CHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
2-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
4-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,2-DIBROMOETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
DIBROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,1-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,2-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,1-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,3-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC

Lab Report



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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: **Goodrich-Delvan**
Customer Sample ID: **MW-3**
Prism Sample ID: **AD04317** Matrix: groundwater
Login Group: **4962L12**
Sample Collection Date/Time: **12/30/03 14:40**
Lab Submittal Date/Time: **12/31/03 16:20**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,1-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
ETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
HEXACHLOROBUTADIENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
ISOPROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
P-ISOPROPYLTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	SW846-8260B	1/7/04 11:51	KC
NAPHTHALENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
N-PROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
STYRENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
TETRACHLOROETHENE	220	ug/L	2	SW846-8260B	1/7/04 11:51	KC
TOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
TRICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
VINYL CHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
TOTAL XYLENES	Not detected	ug/L	4	SW846-8260B	1/7/04 11:51	KC
BROMODICHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC
ACROLEIN	Not detected	ug/L	20	SW846-8260B	1/7/04 11:51	KC
ACRYLONITRILE	Not detected	ug/L	20	SW846-8260B	1/7/04 11:51	KC
METHYL ETHYL KETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 11:51	KC
MTBE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:51	KC

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Lab Report



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Hart & Hickman

Mike Crouch

501 Minuet Lane, Suite 101

Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan

Customer Sample ID: MW-3

Prism Sample ID: AD04317

Matrix: groundwater

Login Group: 4962L12

Sample Collection Date/Time: 12/30/03 14:40

Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
SURR: DIBROMOFLUOROMETHANE	99	%	74-133	SW846-8260B	1/7/04 11:51	KC
SURR: TOLUENE-D8	100	%	75-121	SW846-8260B	1/7/04 11:51	KC
SURR: BROMOFLUOROBENZENE	110	%	69-139	SW846-8260B	1/7/04 11:51	KC
DILUTION FACTOR	1	ug/L		SW846-8260B	1/7/04 11:51	KC

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Hart & Hickman

Mike Crouch

501 Minuet Lane, Suite 101

Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan

Customer Sample ID: MW-4

Prism Sample ID: AD04318

Matrix: groundwater

Login Group: 4962L12

Sample Collection Date/Time: 12/30/03 17:10

Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ACETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 10:35	KC
BENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
BROMOBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
BROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
BROMOFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
BROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
N-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
SEC-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
TERT-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
CARBON TETRACHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
CHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
CHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	5	SW846-8260B	1/7/04 10:35	KC
CHLOROFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
CHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
2-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
4-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,2-DIBROMOETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
DIBROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,1-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,2-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,1-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,3-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC

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Lab Report



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Hart & Hickman

Mike Crouch

501 Minuet Lane, Suite 101

Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan

Customer Sample ID: MW-4

Prism Sample ID: AD04318

Matrix: groundwater

Login Group: 4962L12

Sample Collection Date/Time: 12/30/03 17:10

Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,1-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
ETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
HEXACHLOROBUTADIENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
ISOPROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
P-ISOPROPYLTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	SW846-8260B	1/7/04 10:35	KC
NAPHTHALENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
N-PROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
STYRENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
TETRACHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
TOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
TRICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
VINYL CHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
TOTAL XYLENES	Not detected	ug/L	4	SW846-8260B	1/7/04 10:35	KC
BROMODICHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC
ACROLEIN	Not detected	ug/L	20	SW846-8260B	1/7/04 10:35	KC
ACRYLONITRILE	Not detected	ug/L	20	SW846-8260B	1/7/04 10:35	KC
METHYL ETHYL KETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 10:35	KC
MTBE	Not detected	ug/L	2	SW846-8260B	1/7/04 10:35	KC

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Lab Report



Full Service Analytical And Environmental Solutions

1/9/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-4
Prism Sample ID: AD04318 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/30/03 17:10
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
SURR: DIBROMOFLUOROMETHANE	100	%	74-133	SW846-8260B	1/7/04 10:35	KC
SURR: TOLUENE-D8	101	%	75-121	SW846-8260B	1/7/04 10:35	KC
SURR: BROMOFLUOROBENZENE	107	%	69-139	SW846-8260B	1/7/04 10:35	KC
DILUTION FACTOR	1	ug/L		SW846-8260B	1/7/04 10:35	KC

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Full Service Analytical And Environmental Solutions

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: **Goodrich-Delvan**
Customer Sample ID: **MW-5**
Prism Sample ID: **AD04319** Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 08:40
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ACETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 13:07	KC
BENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
BROMOBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
BROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
BROMOFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
BROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
N-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
SEC-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
TERT-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
CARBON TETRACHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
CHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
CHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	5	SW846-8260B	1/7/04 13:07	KC
CHLOROFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
CHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
2-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
4-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,2-DIBROMOETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
DIBROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,1-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,2-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,1-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,3-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC

Lab Report



Full Service Analytical And Environmental Solutions

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-5
Prism Sample ID: AD04319 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 08:40
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,1-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
ETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
HEXACHLOROBUTADIENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
ISOPROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
P-ISOPROPYLTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	SW846-8260B	1/7/04 13:07	KC
NAPHTHALENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
N-PROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
STYRENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
TETRACHLOROETHENE	230	ug/L	2	SW846-8260B	1/7/04 13:07	KC
TOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
TRICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
VINYL CHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
TOTAL XYLENES	Not detected	ug/L	4	SW846-8260B	1/7/04 13:07	KC
BROMODICHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC
ACROLEIN	Not detected	ug/L	20	SW846-8260B	1/7/04 13:07	KC
ACRYLONITRILE	Not detected	ug/L	20	SW846-8260B	1/7/04 13:07	KC
METHYL ETHYL KETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 13:07	KC
MTBE	Not detected	ug/L	2	SW846-8260B	1/7/04 13:07	KC

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-5
Prism Sample ID: AD04319 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 08:40
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
SURR: DIBROMOFLUOROMETHANE	102	%	74-133	SW846-8260B	1/7/04 13:07	KC
SURR: TOLUENE-D8	103	%	75-121	SW846-8260B	1/7/04 13:07	KC
SURR: BROMOFLUOROBENZENE	109	%	69-139	SW846-8260B	1/7/04 13:07	KC
DILUTION FACTOR	1	ug/L		SW846-8260B	1/7/04 13:07	KC

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Full Service Analytical And Environmental Solutions

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-6
Prism Sample ID: AD04320 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 08:25
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ACETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 11:13	KC
BENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
BROMOBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
BROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
BROMOFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
BROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
N-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
SEC-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
TERT-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
CARBON TETRACHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
CHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
CHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	5	SW846-8260B	1/7/04 11:13	KC
CHLOROFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
CHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
2-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
4-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,2-DIBROMOETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
DIBROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,1-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,2-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,1-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,3-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519
449 Springbrook Road - PO Box 240543 - Charlotte, NC 28224-0543

Phone: 704-529-6364 - Toll Free Number: 1-800-529-6364 - Fax: 704-525-0409

Lab Report



Full Service Analytical And Environmental Solutions

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-6
Prism Sample ID: AD04320 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 08:25
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,1-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
ETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
HEXACHLOROBUTADIENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
ISOPROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
P-ISOPROPYLTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	SW846-8260B	1/7/04 11:13	KC
NAPHTHALENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
N-PROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
STYRENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
TETRACHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
TOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
TRICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
VINYL CHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
TOTAL XYLENES	Not detected	ug/L	4	SW846-8260B	1/7/04 11:13	KC
BROMODICHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC
ACROLEIN	Not detected	ug/L	20	SW846-8260B	1/7/04 11:13	KC
ACRYLONITRILE	Not detected	ug/L	20	SW846-8260B	1/7/04 11:13	KC
METHYL ETHYL KETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 11:13	KC
MTBE	Not detected	ug/L	2	SW846-8260B	1/7/04 11:13	KC

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449 Springbrook Road - PO Box 240543 - Charlotte, NC 28224-0543

Phone: 704-529-6364 - Toll Free Number: 1-800-529-6364 - Fax: 704-525-0409

Lab Report



Full Service Analytical And Environmental Solutions

1/9/04

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Hart & Hickman

Mike Crouch

501 Minuet Lane, Suite 101

Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan

Customer Sample ID: MW-6

Prism Sample ID: AD04320

Matrix: groundwater

Login Group: 4962L12

Sample Collection Date/Time: 12/31/03 08:25

Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
SURR: DIBROMOFLUOROMETHANE	100	%	74-133	SW846-8260B	1/7/04 11:13	KC
SURR: TOLUENE-D8	101	%	75-121	SW846-8260B	1/7/04 11:13	KC
SURR: BROMOFLUOROBENZENE	108	%	69-139	SW846-8260B	1/7/04 11:13	KC
DILUTION FACTOR	1	ug/L		SW846-8260B	1/7/04 11:13	KC

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



Full Service Analytical And Environmental Solutions

1/9/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-7
Prism Sample ID: AD04321 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 08:00
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ACETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 08:41	KC
BENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
BROMOBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
BROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
BROMOFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
BROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
N-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
SEC-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
TERT-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
CARBON TETRACHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
CHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
CHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	5	SW846-8260B	1/7/04 08:41	KC
CHLOROFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
CHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
2-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
4-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,2-DIBROMOETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
DIBROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,1-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,2-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,1-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,3-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC

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Lab Report



Full Service Analytical And Environmental Solutions

1/9/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-7
Prism Sample ID: AD04321 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 08:00
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,1-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
ETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
HEXACHLOROBUTADIENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
ISOPROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
P-ISOPROPYLTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	SW846-8260B	1/7/04 08:41	KC
NAPHTHALENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
N-PROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
STYRENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
TETRACHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
TOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
TRICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,2,4-TRIMETHYLBENZENE	3.3	ug/L	2	SW846-8260B	1/7/04 08:41	KC
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
VINYL CHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
TOTAL XYLENES	5.3	ug/L	4	SW846-8260B	1/7/04 08:41	KC
BROMODICHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC
ACROLEIN	Not detected	ug/L	20	SW846-8260B	1/7/04 08:41	KC
ACRYLONITRILE	Not detected	ug/L	20	SW846-8260B	1/7/04 08:41	KC
METHYL ETHYL KETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 08:41	KC
MTBE	Not detected	ug/L	2	SW846-8260B	1/7/04 08:41	KC

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Lab Report



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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-7
Prism Sample ID: AD04321 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 08:00
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
SURR: DIBROMOFLUOROMETHANE	97	%	74-133	SW846-8260B	1/7/04 08:41	KC
SURR: TOLUENE-D8	101	%	75-121	SW846-8260B	1/7/04 08:41	KC
SURR: BROMOFLUOROBENZENE	104	%	69-139	SW846-8260B	1/7/04 08:41	KC
DILUTION FACTOR	1	ug/L		SW846-8260B	1/7/04 08:41	KC

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-8
Prism Sample ID: AD04322 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 09:35
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ACETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 09:19	KC
BENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
BROMOBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
BROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
BROMOFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
BROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
N-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
SEC-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
TERT-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
CARBON TETRACHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
CHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
CHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	5	SW846-8260B	1/7/04 09:19	KC
CHLOROFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
CHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
2-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
4-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,2-DIBROMOETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
DIBROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,1-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,2-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,1-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,3-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-8
Prism Sample ID: AD04322 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 09:35
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,1-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
ETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
HEXACHLOROBUTADIENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
ISOPROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
P-ISOPROPYLTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	SW846-8260B	1/7/04 09:19	KC
NAPHTHALENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
N-PROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
STYRENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
TETRACHLOROETHENE	30	ug/L	2	SW846-8260B	1/7/04 09:19	KC
TOLUENE	1.9 J	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
TRICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,2,4-TRIMETHYLBENZENE	2.0	ug/L	2	SW846-8260B	1/7/04 09:19	KC
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
VINYL CHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
TOTAL XYLENES	4.7	ug/L	4	SW846-8260B	1/7/04 09:19	KC
BROMODICHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:19	KC
ACROLEIN	Not detected	ug/L	20	SW846-8260B	1/7/04 09:19	KC
ACRYLONITRILE	Not detected	ug/L	20	SW846-8260B	1/7/04 09:19	KC
METHYL ETHYL KETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 09:19	KC
MTBE	3.1	ug/L	2	SW846-8260B	1/7/04 09:19	KC

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Lab Report



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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MW-8
Prism Sample ID: AD04322 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 09:35
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
SURR: DIBROMOFLUOROMETHANE	98	%	74-133	SW846-8260B	1/7/04 09:19	KC
SURR: TOLUENE-D8	101	%	75-121	SW846-8260B	1/7/04 09:19	KC
SURR: BROMOFLUOROBENZENE	106	%	69-139	SW846-8260B	1/7/04 09:19	KC
DILUTION FACTOR	1	ug/L		SW846-8260B	1/7/04 09:19	KC

Sample Comments:

Analysis note for 8260: "J"- Estimated concentration between the method detection limit and the reporting limit.

Angela D. Overcash, V.P. Laboratory Services

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MWT-1
Prism Sample ID: AD04323 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 10:55
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ACETONE	Not detected	ug/L	2000	SW846-8260B	1/7/04 15:01	KC
BENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
BROMOBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
BROMOCHLOROMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
BROMOFORM	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
BROMOMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
N-BUTYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
SEC-BUTYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
TERT-BUTYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
CARBON TETRACHLORIDE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
CHLOROBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
CHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	2000	SW846-8260B	1/7/04 15:01	KC
CHLOROFORM	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
CHLOROMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
2-CHLOROTOLUENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
4-CHLOROTOLUENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,2-DIBROMOETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
DIBROMOMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,1-DICHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,2-DICHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,1-DICHLOROETHENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,3-DICHLOROPROPANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: **Goodrich-Delvan**
Customer Sample ID: **MWT-1**
Prism Sample ID: **AD04323** Matrix: groundwater
Login Group: **4962L12**
Sample Collection Date/Time: **12/31/03 10:55**
Lab Submittal Date/Time: **12/31/03 16:20**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,2-DICHLOROPROPANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,1-DICHLOROPROPENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
ETHYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
HEXACHLOROBUTADIENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
ISOPROPYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
P-ISOPROPYLTOLUENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
METHYLENE CHLORIDE	Not detected	ug/L	2000	SW846-8260B	1/7/04 15:01	KC
NAPHTHALENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
N-PROPYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
STYRENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
TETRACHLOROETHENE	7500	ug/L	800	SW846-8260B	1/7/04 15:01	KC
TOLUENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
TRICHLOROETHENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
VINYL CHLORIDE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
TOTAL XYLENES	Not detected	ug/L	2000	SW846-8260B	1/7/04 15:01	KC
BROMODICHLOROMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC
ACROLEIN	Not detected	ug/L	8000	SW846-8260B	1/7/04 15:01	KC
ACRYLONITRILE	Not detected	ug/L	8000	SW846-8260B	1/7/04 15:01	KC
METHYL ETHYL KETONE	Not detected	ug/L	2000	SW846-8260B	1/7/04 15:01	KC
MTBE	Not detected	ug/L	800	SW846-8260B	1/7/04 15:01	KC

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MWT-1
Prism Sample ID: AD04323 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 10:55
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
SURR: DIBROMOFLUOROMETHANE	102	%	74-133	SW846-8260B	1/7/04 15:01	KC
SURR: TOLUENE-D8	101	%	75-121	SW846-8260B	1/7/04 15:01	KC
SURR: BROMOFLUOROBENZENE	108	%	69-139	SW846-8260B	1/7/04 15:01	KC
DILUTION FACTOR	400	ug/L		SW846-8260B	1/7/04 15:01	KC

Sample Comments:

A handwritten signature in black ink, appearing to be "AO" or similar, written in a cursive style.

Angela D. Overcash, V.P. Laboratory Services

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: **Goodrich-Delvan**
Customer Sample ID: **MWT-2**
Prism Sample ID: **AD04324** Matrix: groundwater
Login Group: **4962L12**
Sample Collection Date/Time: **12/31/03** 12:00
Lab Submittal Date/Time: **12/31/03** 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ACETONE	Not detected	ug/L	500	SW846-8260B	1/7/04 15:39	KC
BENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
BROMOBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
BROMOCHLOROMETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
BROMOFORM	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
BROMOMETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
N-BUTYLBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
SEC-BUTYLBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
TERT-BUTYLBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
CARBON TETRACHLORIDE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
CHLOROBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
CHLOROETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	500	SW846-8260B	1/7/04 15:39	KC
CHLOROFORM	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
CHLOROMETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
2-CHLOROTOLUENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
4-CHLOROTOLUENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,2-DIBROMOETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
DIBROMOMETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,1-DICHLOROETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,2-DICHLOROETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,1-DICHLOROETHENE	520	ug/L	200	SW846-8260B	1/7/04 15:39	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,3-DICHLOROPROPANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MWT-2
Prism Sample ID: AD04324 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 12:00
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,2-DICHLOROPROPANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,1-DICHLOROPROPENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
ETHYLBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
HEXACHLOROBUTADIENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
ISOPROPYLBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
P-ISOPROPYLTOLUENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
METHYLENE CHLORIDE	Not detected	ug/L	500	SW846-8260B	1/7/04 15:39	KC
NAPHTHALENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
N-PROPYLBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
STYRENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
TETRACHLOROETHENE	5800	ug/L	200	SW846-8260B	1/7/04 15:39	KC
TOLUENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
TRICHLOROETHENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
VINYL CHLORIDE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
TOTAL XYLENES	Not detected	ug/L	400	SW846-8260B	1/7/04 15:39	KC
BROMODICHLOROMETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC
ACROLEIN	Not detected	ug/L	2000	SW846-8260B	1/7/04 15:39	KC
ACRYLONITRILE	Not detected	ug/L	2000	SW846-8260B	1/7/04 15:39	KC
METHYL ETHYL KETONE	Not detected	ug/L	500	SW846-8260B	1/7/04 15:39	KC
MTBE	Not detected	ug/L	200	SW846-8260B	1/7/04 15:39	KC

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MWT-2
Prism Sample ID: AD04324 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 12:00
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
SURR: DIBROMOFLUOROMETHANE	101	%	74-133	SW846-8260B	1/7/04 15:39	KC
SURR: TOLUENE-D8	100	%	75-121	SW846-8260B	1/7/04 15:39	KC
SURR: BROMOFLUOROBENZENE	108	%	69-139	SW846-8260B	1/7/04 15:39	KC
DILUTION FACTOR	100	ug/L		SW846-8260B	1/7/04 15:39	KC

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MWT-3
Prism Sample ID: AD04325 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 12:30
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ACETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 09:57	KC
BENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
BROMOBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
BROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
BROMOFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
BROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
N-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
SEC-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
TERT-BUTYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
CARBON TETRACHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
CHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
CHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	5	SW846-8260B	1/7/04 09:57	KC
CHLOROFORM	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
CHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
2-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
4-CHLOROTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,2-DIBROMOETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
DIBROMOMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,1-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,2-DICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,1-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,3-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: **Goodrich-Delvan**
Customer Sample ID: **MWT-3**
Prism Sample ID: **AD04325** Matrix: groundwater
Login Group: **4962L12**
Sample Collection Date/Time: **12/31/03** 12:30
Lab Submittal Date/Time: **12/31/03** 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,2-DICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,1-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
ETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
HEXACHLOROBUTADIENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
ISOPROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
P-ISOPROPYLTOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	SW846-8260B	1/7/04 09:57	KC
NAPHTHALENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
N-PROPYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
STYRENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
TETRACHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
TOLUENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
TRICHLOROETHENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
VINYL CHLORIDE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
TOTAL XYLENES	Not detected	ug/L	4	SW846-8260B	1/7/04 09:57	KC
BROMODICHLOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC
ACROLEIN	Not detected	ug/L	20	SW846-8260B	1/7/04 09:57	KC
ACRYLONITRILE	Not detected	ug/L	20	SW846-8260B	1/7/04 09:57	KC
METHYL ETHYL KETONE	Not detected	ug/L	5	SW846-8260B	1/7/04 09:57	KC
MTBE	Not detected	ug/L	2	SW846-8260B	1/7/04 09:57	KC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519
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Lab Report



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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: MWT-3
Prism Sample ID: AD04325 Matrix: groundwater
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03 12:30
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
SURR: DIBROMOFLUOROMETHANE	98	%	74-133	SW846-8260B	1/7/04 09:57	KC
SURR: TOLUENE-D8	101	%	75-121	SW846-8260B	1/7/04 09:57	KC
SURR: BROMOFLUOROBENZENE	104	%	69-139	SW846-8260B	1/7/04 09:57	KC
DILUTION FACTOR	1	ug/L		SW846-8260B	1/7/04 09:57	KC

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: QC
Prism Sample ID: AD04359 Matrix: n/a
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
QC REPORT - METHOD BLANK DATA				xSW846-8260	1/7/04 06:08	KC
QC BATCH ID:VMSC-010704						
COMPOUND	RESULT (ug/L)	COMPOUND	RESULT (ug/L)			
BENZENE	< 1	ETHYLBENZENE	< 1			
BROMOBENZENE	< 1	HEXACHLOROBUTADIENE	< 1			
BROMOCHLOROMETHANE	< 1	ISOPROPYLBENZENE	< 1			
BROMODICHLOROMETHANE	< 1	P-ISOPROPYLTOLUENE	< 1			
BROMOFORM	< 1	METHYLENE CHLORIDE	< 2			
BROMOMETHANE	< 2	NAPHTHALENE	< 1			
N-BUTYLBENZENE	< 1	N-PROPYLBENZENE	< 1			
SEC-BUTYLBENZENE	< 1	STYRENE	< 1			
TERT-BUTYLBENZENE	< 1	1,1,1,2-TETRACHLOROETHENE	< 1			
CHLOROBENZENE	< 1	1,1,2,2-TETRACHLOROETHANE	< 1			
CHLORODIBROMOMETHANE	< 1	TETRACHLOROETHENE	< 1			
CHLOROETHANE	< 2	TOLUENE	< 1			
CHLOROFORM	< 1	1,2,3-TRICHLOROBENZENE	< 1			
CHLOROMETHANE	< 2	1,2,4-TRICHLOROBENZENE	< 1			
2-CHLOROTOLUENE	< 1	1,1,1-TRICHLOROETHANE	< 1			
1,1,2-TRICHLOROETHANE	< 1	TRICHLOROETHENE	< 1			
4-CHLOROTOLUENE	< 1	TRICHLOROFLUOROMETHANE	< 2			
1,2-DIBROMO-3-CHLOROPROPANE	< 1	1,2,3-TRICHLOROPROPANE	< 1			
1,2-DIBROMOETHANE	< 1	1,2,4-TRIMETHYLBENZENE	< 1			
DIBROMOMETHANE	< 1	1,3,5-TRIMETHYLBENZENE	< 1			
1,2-DICHLOROBENZENE	< 1	VINYL CHLORIDE	< 2			
1,3-DICHLOROBENZENE	< 1	TOTAL XYLENES	< 3			
1,4-DICHLOROBENZENE	< 1	cis-1,3-DICHLOROPROPENE	< 1			
DICHLORODIFLUOROMETHANE	< 2	trans-1,3-DICHLOROPROPENE	< 1			
1,1-DICHLOROETHANE	< 1	ACETONE	< 5			
1,2-DICHLOROETHANE	< 1	2-BUTANONE (MEK)	< 1			
1,1-DICHLOROETHENE	< 1	CARBON DISULFIDE	< 5			
CIS-1,2-DICHLOROETHENE	< 1	CARBON TETRACHLORIDE	< 1			
TRANS-1,2-DICHLOROETHENE	< 1	2-CHLOROETHYL VINYLETHYL ETHER	< 1			
1,2-DICHLOROPROPANE	< 1	2-HEXANONE	< 1			
1,3-DICHLOROPROPANE	< 1	4-METHYL-2-PENTANONE (MIBK)	< 1			
2,2-DICHLOROPROPANE	< 1					
1,1-DICHLOROPROPENE	< 1					

Lab Report



Full Service Analytical And Environmental Solutions

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delvan
Customer Sample ID: QC
Prism Sample ID: AD04359 Matrix: n/a
Login Group: 4962L12
Sample Collection Date/Time: 12/31/03
Lab Submittal Date/Time: 12/31/03 16:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
-------------------	----------------	-------	--------------------	---------------------	----------------------	---------

QC REPORT- LCS DATA

xSW846-8260 1/7/04 17:23 KC

QC BATCH ID: VMS-C-010704

COMPOUND	% REC #	% REC RANGE	PASS/ FAIL
1,1-DICHLOROETHENE	99	62-141	PASS
BENZENE	100	70-141	PASS
TRICHLOROETHENE	106	78-124	PASS
TOLUENE	105	78-130	PASS
CHLOROBENZENE	103	88-120	PASS

QC REPORT- MS/MSD DATA

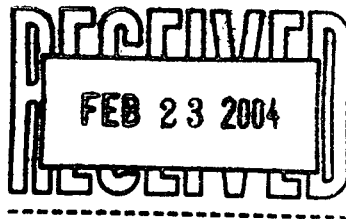
xSW846-8260 1/7/04 18:11 KC

QC BATCH ID: VMS-B-010704

SAMPLE SPIKED: AD04320

COMPOUND	MS %REC #	MSD %REC #	RPD #	%REC RANGE	RPD RANGE	PASS/ FAIL
1,1-DICHLOROETHENE	80	83	4	54-140	<20	PASS
BENZENE	82	86	4	62-129	<19	PASS
TRICHLOROETHENE	83	87	5	52-128	<18	PASS
TOLUENE	87	92	5	60-131	<21	PASS
CHLOROBENZENE	88	94	6	64-127	<20	PASS

Case Narrative



PRISM
LABORATORIES, INC.

Date: 2/20/04

Company: Hart & Hickman
Contact: Mike Crouch
Address: 501 Minuet Lane, Suite 101
Charlotte, NC 28217

Client Project ID: Goodrich-Delavan
Prism Log-In Group No: 6080L13

The attached Laboratory Report contains the analytical results for the project identified above and includes Quality Control Data and a Chain-of-Custody copy.

Data qualifiers are flagged individually on each sample. Quality control statements and/or sample specific remarks are included in the sample comments section of the laboratory report for each sample affected.

Please call if you have any questions relating to this analytical report.

Data Reviewed by: Paula A. Gilleland

Signature: Paula A. Gilleland

Review Date: 2/20/04

Project Manager: Angela D. Overcash

Signature: [Signature]

Approval Date: 2/20/04

Note: This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

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Lab Report



Full Service Analytical And Environmental Solutions

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-1
Prism Sample ID: AD07771 Matrix: groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 10:10
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BROMODICHLOROMETHANE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
BROMOFORM	Not detected	ug/L	1	8260	2/17/04 22:51	KC
BROMOMETHANE	Not detected	ug/L	5	8260	2/17/04 22:51	KC
CARBON TETRACHLORIDE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
CHLOROBENZENE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
CHLOROETHANE	Not detected	ug/L	5	8260	2/17/04 22:51	KC
CHLOROFORM	Not detected	ug/L	1	8260	2/17/04 22:51	KC
CHLOROMETHANE	Not detected	ug/L	5	8260	2/17/04 22:51	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	5	8260	2/17/04 22:51	KC
1,1-DICHLOROETHANE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
1,2-DICHLOROETHANE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
1,1-DICHLOROETHENE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	5	8260	2/17/04 22:51	KC
EDB	Not detected	ug/L	1	8260	2/17/04 22:51	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	8260	2/17/04 22:51	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
TETRACHLOROETHENE	350	ug/L	1	8260	2/17/04 22:51	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
TRICHLOROETHENE	8.2	ug/L	1	8260	2/17/04 22:51	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	5	8260	2/17/04 22:51	KC
VINYL CHLORIDE	Not detected	ug/L	5	8260	2/17/04 22:51	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/17/04 22:51	KC
SURR: DIBROMOFLUOROMETHANE	101	%	74-133	8260	2/17/04 22:51	KC
SURR: BROMOFLUOROBENZENE	103	%	69-139	8260	2/17/04 22:51	KC

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Lab Report

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2/20/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-1
Prism Sample ID: AD07771 Matrix: groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 10:10
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DILUTION FACTOR	1	ug/L		8260	2/17/04 22:51	KC

Sample Comments:



Angela D. Overcash, V.P. Laboratory Services

Lab Report

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-2
Prism Sample ID: AD07772 Matrix: groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 10:15
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BROMODICHLOROMETHANE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
BROMOFORM	Not detected	ug/L	1	8260	2/17/04 11:29	KC
BROMOMETHANE	Not detected	ug/L	5	8260	2/17/04 11:29	KC
CARBON TETRACHLORIDE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
CHLOROBENZENE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
CHLOROETHANE	Not detected	ug/L	5	8260	2/17/04 11:29	KC
CHLOROFORM	Not detected	ug/L	1	8260	2/17/04 11:29	KC
CHLOROMETHANE	Not detected	ug/L	5	8260	2/17/04 11:29	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	5	8260	2/17/04 11:29	KC
1,1-DICHLOROETHANE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
1,2-DICHLOROETHANE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
1,1-DICHLOROETHENE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	5	8260	2/17/04 11:29	KC
EDB	Not detected	ug/L	1	8260	2/17/04 11:29	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	8260	2/17/04 11:29	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
TETRACHLOROETHENE	12	ug/L	1	8260	2/17/04 11:29	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
TRICHLOROETHENE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	5	8260	2/17/04 11:29	KC
VINYL CHLORIDE	Not detected	ug/L	5	8260	2/17/04 11:29	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/17/04 11:29	KC
SURR: DIBROMOFLUOROMETHANE	99	%	74-133	8260	2/17/04 11:29	KC
SURR: BROMOFLUOROBENZENE	103	%	69-139	8260	2/17/04 11:29	KC

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2/20/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-2
Prism Sample ID: AD07772 Matrix: groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 10:15
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DILUTION FACTOR -----	1	ug/L		8260	2/17/04 11:29	KC

Sample Comments:



Angela D. Overcash, V.P. Laboratory Services

Lab Report



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2/20/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-3
Prism Sample ID: AD07773 Matrix: groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 12:50
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BROMODICHLOROMETHANE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
BROMOFORM	Not detected	ug/L	1	8260	2/18/04 00:08	KC
BROMOMETHANE	Not detected	ug/L	5	8260	2/18/04 00:08	KC
CARBON TETRACHLORIDE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
CHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
CHLOROETHANE	Not detected	ug/L	5	8260	2/18/04 00:08	KC
CHLOROFORM	Not detected	ug/L	1	8260	2/18/04 00:08	KC
CHLOROMETHANE	Not detected	ug/L	5	8260	2/18/04 00:08	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	5	8260	2/18/04 00:08	KC
1,1-DICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
1,2-DICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
1,1-DICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	5	8260	2/18/04 00:08	KC
EDB	Not detected	ug/L	1	8260	2/18/04 00:08	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	8260	2/18/04 00:08	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
TETRACHLOROETHENE	59	ug/L	1	8260	2/18/04 00:08	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
TRICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	5	8260	2/18/04 00:08	KC
VINYL CHLORIDE	Not detected	ug/L	5	8260	2/18/04 00:08	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 00:08	KC
SURR: DIBROMOFLUOROMETHANE	101	%	74-133	8260	2/18/04 00:08	KC
SURR: BROMOFLUOROBENZENE	105	%	69-139	8260	2/18/04 00:08	KC

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2/20/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-3
Prism Sample ID: AD07773 **Matrix:** groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 12:50
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DILUTION FACTOR -----	1	ug/L		8260	2/18/04 00:08	KC

Sample Comments:



Angela D. Overcash, V.P. Laboratory Services

Lab Report

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2/20/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan

Customer Sample ID: GP-4

Prism Sample ID: AD07774

Matrix: groundwater

Login Group: 6080L13

Sample Collection Date/Time: 2/11/04 13:10

Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BROMODICHLOROMETHANE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
BROMOFORM	Not detected	ug/L	1	8260	2/18/04 05:15	KC
BROMOMETHANE	Not detected	ug/L	5	8260	2/18/04 05:15	KC
CARBON TETRACHLORIDE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
CHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
CHLOROETHANE	Not detected	ug/L	5	8260	2/18/04 05:15	KC
CHLOROFORM	Not detected	ug/L	1	8260	2/18/04 05:15	KC
CHLOROMETHANE	Not detected	ug/L	5	8260	2/18/04 05:15	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	5	8260	2/18/04 05:15	KC
1,1-DICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
1,2-DICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
1,1-DICHLOROETHENE	6.0	ug/L	1	8260	2/18/04 05:15	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	5	8260	2/18/04 05:15	KC
EDB	Not detected	ug/L	1	8260	2/18/04 05:15	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	8260	2/18/04 05:15	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
TETRACHLOROETHENE	290	ug/L	1	8260	2/18/04 05:15	KC
1,1,1-TRICHLOROETHANE	1.4	ug/L	1	8260	2/18/04 05:15	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 05:15	KC
TRICHLOROETHENE	9.9	ug/L	1	8260	2/18/04 05:15	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	5	8260	2/18/04 05:15	KC
VINYL CHLORIDE	Not detected	ug/L	5	8260	2/18/04 05:15	KC
CIS-1,2-DICHLOROETHENE	5.2	ug/L	1	8260	2/18/04 05:15	KC
SURR: DIBROMOFLUOROMETHANE	102	%	74-133	8260	2/18/04 05:15	KC
SURR: BROMOFLUOROBENZENE	108	%	69-139	8260	2/18/04 05:15	KC

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Lab Report

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2/20/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-4
Prism Sample ID: AD07774 Matrix: groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 13:10
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DILUTION FACTOR -----	1	ug/L		8260	2/18/04 05:15	KC

Sample Comments:



Angela D. Overcash, V.P. Laboratory Services

Lab Report

PRISM
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Full Service Analytical And Environmental Solutions

2/20/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-5
Prism Sample ID: AD07775 **Matrix:** groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 13:29
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BROMODICHLOROMETHANE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
BROMOFORM	Not detected	ug/L	1	8260	2/18/04 00:46	KC
BROMOMETHANE	Not detected	ug/L	5	8260	2/18/04 00:46	KC
CARBON TETRACHLORIDE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
CHLORO BENZENE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
CHLOROETHANE	Not detected	ug/L	5	8260	2/18/04 00:46	KC
CHLOROFORM	Not detected	ug/L	1	8260	2/18/04 00:46	KC
CHLOROMETHANE	Not detected	ug/L	5	8260	2/18/04 00:46	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	5	8260	2/18/04 00:46	KC
1,1-DICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
1,2-DICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
1,1-DICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	5	8260	2/18/04 00:46	KC
EDB	Not detected	ug/L	1	8260	2/18/04 00:46	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	8260	2/18/04 00:46	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
TETRACHLOROETHENE	22	ug/L	1	8260	2/18/04 00:46	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
TRICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 00:46	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	5	8260	2/18/04 00:46	KC
VINYL CHLORIDE	Not detected	ug/L	5	8260	2/18/04 00:46	KC
CIS-1,2-DICHLOROETHENE	2.4	ug/L	1	8260	2/18/04 00:46	KC
SURR: DIBROMOFLUOROMETHANE	100	%	74-133	8260	2/18/04 00:46	KC
SURR: BROMOFLUOROBENZENE	107	%	69-139	8260	2/18/04 00:46	KC

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-5
Prism Sample ID: AD07775 Matrix: groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 13:29
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DILUTION FACTOR	1	ug/L		8260	2/18/04 00:46	KC

Sample Comments:



Angela D. Overcash, V.P. Laboratory Services

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: **Goodrich-Delavan**
Customer Sample ID: **GP-6**
Prism Sample ID: **AD07776** Matrix: groundwater
Login Group: **6080L13**
Sample Collection Date/Time: **2/11/04 13:45**
Lab Submittal Date/Time: **2/11/04 19:30**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BROMODICHLOROMETHANE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
BROMOFORM	Not detected	ug/L	1	8260	2/18/04 06:32	KC
BROMOMETHANE	Not detected	ug/L	5	8260	2/18/04 06:32	KC
CARBON TETRACHLORIDE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
CHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
CHLOROETHANE	Not detected	ug/L	5	8260	2/18/04 06:32	KC
CHLOROFORM	Not detected	ug/L	1	8260	2/18/04 06:32	KC
CHLOROMETHANE	Not detected	ug/L	5	8260	2/18/04 06:32	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	5	8260	2/18/04 06:32	KC
1,1-DICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
1,2-DICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
1,1-DICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	5	8260	2/18/04 06:32	KC
EDB	Not detected	ug/L	1	8260	2/18/04 06:32	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	8260	2/18/04 06:32	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
TETRACHLOROETHENE	140	ug/L	1	8260	2/18/04 06:32	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 06:32	KC
TRICHLOROETHENE	82	ug/L	1	8260	2/18/04 06:32	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	5	8260	2/18/04 06:32	KC
VINYL CHLORIDE	Not detected	ug/L	5	8260	2/18/04 06:32	KC
CIS-1,2-DICHLOROETHENE	28	ug/L	1	8260	2/18/04 06:32	KC
SURR: DIBROMOFLUOROMETHANE	103	%	74-133	8260	2/18/04 06:32	KC
SURR: BROMOFLUOROBENZENE	107	%	69-139	8260	2/18/04 06:32	KC

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-6
Prism Sample ID: AD07776 **Matrix:** groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 13:45
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DILUTION FACTOR	1	ug/L		8260	2/18/04 06:32	KC

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: **Goodrich-Delavan**
Customer Sample ID: **GP-7**
Prism Sample ID: **AD07777** Matrix: groundwater
Login Group: **6080L13**
Sample Collection Date/Time: **2/11/04 11:13**
Lab Submittal Date/Time: **2/11/04 19:30**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BROMODICHLOROMETHANE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
BROMOFORM	Not detected	ug/L	10	8260	2/18/04 07:11	KC
BROMOMETHANE	Not detected	ug/L	50	8260	2/18/04 07:11	KC
CARBON TETRACHLORIDE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
CHLOROBENZENE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
CHLOROETHANE	Not detected	ug/L	50	8260	2/18/04 07:11	KC
CHLOROFORM	Not detected	ug/L	10	8260	2/18/04 07:11	KC
CHLOROMETHANE	Not detected	ug/L	50	8260	2/18/04 07:11	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	50	8260	2/18/04 07:11	KC
1,1-DICHLOROETHANE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
1,2-DICHLOROETHANE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
1,1-DICHLOROETHENE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	50	8260	2/18/04 07:11	KC
EDB	Not detected	ug/L	10	8260	2/18/04 07:11	KC
METHYLENE CHLORIDE	Not detected	ug/L	50	8260	2/18/04 07:11	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
TETRACHLOROETHENE	5100	ug/L	10	8260	2/18/04 07:11	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	10	8260	2/18/04 07:11	KC
TRICHLOROETHENE	1300	ug/L	10	8260	2/18/04 07:11	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	50	8260	2/18/04 07:11	KC
VINYL CHLORIDE	Not detected	ug/L	50	8260	2/18/04 07:11	KC
CIS-1,2-DICHLOROETHENE	19	ug/L	10	8260	2/18/04 07:11	KC
SURR: DIBROMOFLUOROMETHANE	101	%	74-133	8260	2/18/04 07:11	KC
SURR: BROMOFLUOROBENZENE	106	%	69-139	8260	2/18/04 07:11	KC

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-7
Prism Sample ID: AD07777 Matrix: groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 11:13
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DILUTION FACTOR	10	ug/L		8260	2/18/04 07:11	KC

Sample Comments:



Angela D. Overcash, V.P. Laboratory Services

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-8
Prism Sample ID: AD07778 Matrix: groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 10:50
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BROMODICHLOROMETHANE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
BROMOFORM	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
BROMOMETHANE	Not detected	ug/L	5	8260	2/19/04 14:01	JYS
CARBON TETRACHLORIDE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
CHLORO BENZENE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
CHLOROETHANE	Not detected	ug/L	5	8260	2/19/04 14:01	JYS
CHLOROFORM	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
CHLOROMETHANE	Not detected	ug/L	5	8260	2/19/04 14:01	JYS
DIBROMOCHLOROMETHANE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
1,2-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
1,3-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
1,4-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
DICHLORODIFLUOROMETHANE	Not detected	ug/L	5	8260	2/19/04 14:01	JYS
1,1-DICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
1,2-DICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
1,1-DICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
1,2-DICHLOROPROPANE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	5	8260	2/19/04 14:01	JYS
EDB	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
METHYLENE CHLORIDE	Not detected	ug/L	5	8260	2/19/04 14:01	JYS
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
TETRACHLOROETHENE	3.4	ug/L	1	8260	2/19/04 14:01	JYS
1,1,1-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
1,1,2-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
TRICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
TRICHLOROFLUOROMETHANE	Not detected	ug/L	5	8260	2/19/04 14:01	JYS
VINYL CHLORIDE	Not detected	ug/L	5	8260	2/19/04 14:01	JYS
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:01	JYS
SURR: DIBROMOFLUOROMETHANE	101	%	74-133	8260	2/19/04 14:01	JYS
SURR: BROMOFLUOROBENZENE	87	%	69-139	8260	2/19/04 14:01	JYS

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-8
Prism Sample ID: AD07778 Matrix: groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 10:50
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DILUTION FACTOR -----	1	ug/L		8260	2/19/04 14:01	JYS

Sample Comments:



Angela D. Overcash, V.P. Laboratory Services

Lab Report

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: **Goodrich-Delavan**
Customer Sample ID: **GP-9**
Prism Sample ID: **AD07779** Matrix: groundwater
Login Group: **6080L13**
Sample Collection Date/Time: **2/11/04 14:30**
Lab Submittal Date/Time: **2/11/04 19:30**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BROMODICHLOROMETHANE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
BROMOFORM	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
BROMOMETHANE	Not detected	ug/L	5	8260	2/19/04 14:27	JYS
CARBON TETRACHLORIDE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
CHLORO BENZENE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
CHLOROETHANE	Not detected	ug/L	5	8260	2/19/04 14:27	JYS
CHLOROFORM	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
CHLOROMETHANE	Not detected	ug/L	5	8260	2/19/04 14:27	JYS
DIBROMOCHLOROMETHANE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
1,2-DICHLORO BENZENE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
1,3-DICHLORO BENZENE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
1,4-DICHLORO BENZENE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
DICHLORODIFLUOROMETHANE	Not detected	ug/L	5	8260	2/19/04 14:27	JYS
1,1-DICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
1,2-DICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
1,1-DICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
1,2-DICHLOROPROPANE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	5	8260	2/19/04 14:27	JYS
EDB	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
METHYLENE CHLORIDE	Not detected	ug/L	5	8260	2/19/04 14:27	JYS
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
TETRACHLOROETHENE	1.9	ug/L	1	8260	2/19/04 14:27	JYS
1,1,1-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
1,1,2-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
TRICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
TRICHLOROFLUOROMETHANE	Not detected	ug/L	5	8260	2/19/04 14:27	JYS
VINYL CHLORIDE	Not detected	ug/L	5	8260	2/19/04 14:27	JYS
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:27	JYS
SURR: DIBROMOFLUOROMETHANE	109	%	74-133	8260	2/19/04 14:27	JYS
SURR: BROMOFLUOROBENZENE	93	%	69-139	8260	2/19/04 14:27	JYS

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Hart & Hickman

Customer Project ID: Goodrich-Delavan

Mike Crouch

Customer Sample ID: GP-9

501 Minuet Lane, Suite 101

Prism Sample ID: AD07779 Matrix: groundwater

Charlotte, NC 28217

Login Group: 6080L13

Sample Collection Date/Time: 2/11/04 14:30

Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DILUTION FACTOR	1	ug/L		8260	2/19/04 14:27	JYS

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-10
Prism Sample ID: AD07780 Matrix: groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 14:50
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BROMODICHLOROMETHANE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
BROMOFORM	Not detected	ug/L	1	8260	2/18/04 09:43	KC
BROMOMETHANE	Not detected	ug/L	5	8260	2/18/04 09:43	KC
CARBON TETRACHLORIDE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
CHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
CHLOROETHANE	Not detected	ug/L	5	8260	2/18/04 09:43	KC
CHLOROFORM	Not detected	ug/L	1	8260	2/18/04 09:43	KC
CHLOROMETHANE	Not detected	ug/L	5	8260	2/18/04 09:43	KC
DIBROMOCHLOROMETHANE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
1,2-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
1,3-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
1,4-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
DICHLORODIFLUOROMETHANE	Not detected	ug/L	5	8260	2/18/04 09:43	KC
1,1-DICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
1,2-DICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
1,1-DICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
1,2-DICHLOROPROPANE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	5	8260	2/18/04 09:43	KC
EDB	Not detected	ug/L	1	8260	2/18/04 09:43	KC
METHYLENE CHLORIDE	Not detected	ug/L	5	8260	2/18/04 09:43	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
TETRACHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
1,1,1-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
1,1,2-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
TRICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
TRICHLOROFLUOROMETHANE	Not detected	ug/L	5	8260	2/18/04 09:43	KC
VINYL CHLORIDE	Not detected	ug/L	5	8260	2/18/04 09:43	KC
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/18/04 09:43	KC
SURR: DIBROMOFLUOROMETHANE	97	%	74-133	8260	2/18/04 09:43	KC
SURR: BROMOFLUOROBENZENE	105	%	69-139	8260	2/18/04 09:43	KC

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Lab Report



Full Service Analytical And Environmental Solutions

2/20/04

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Hart & Hickman

Customer Project ID: Goodrich-Delavan

Mike Crouch

Customer Sample ID: GP-10

501 Minuet Lane, Suite 101

Prism Sample ID: AD07780 Matrix: groundwater

Charlotte, NC 28217

Login Group: 6080L13

Sample Collection Date/Time: 2/11/04 14:50

Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DILUTION FACTOR	1	ug/L		8260	2/18/04 09:43	KC

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



Full Service Analytical And Environmental Solutions

2/20/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: **Goodrich-Delavan**
Customer Sample ID: **GP-11**
Prism Sample ID: **AD07781** Matrix: groundwater
Login Group: **6080L13**
Sample Collection Date/Time: **2/11/04 15:50**
Lab Submittal Date/Time: **2/11/04 19:30**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BROMODICHLOROMETHANE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
BROMOFORM	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
BROMOMETHANE	Not detected	ug/L	5	8260	2/19/04 14:54	JYS
CARBON TETRACHLORIDE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
CHLOROBENZENE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
CHLOROETHANE	Not detected	ug/L	5	8260	2/19/04 14:54	JYS
CHLOROFORM	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
CHLOROMETHANE	Not detected	ug/L	5	8260	2/19/04 14:54	JYS
DIBROMOCHLOROMETHANE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
1,2-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
1,3-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
1,4-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
DICHLORODIFLUOROMETHANE	Not detected	ug/L	5	8260	2/19/04 14:54	JYS
1,1-DICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
1,2-DICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
1,1-DICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
1,2-DICHLOROPROPANE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	5	8260	2/19/04 14:54	JYS
EDB	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
METHYLENE CHLORIDE	Not detected	ug/L	5	8260	2/19/04 14:54	JYS
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
TETRACHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
1,1,1-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
1,1,2-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
TRICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
TRICHLOROFLUOROMETHANE	Not detected	ug/L	5	8260	2/19/04 14:54	JYS
VINYL CHLORIDE	Not detected	ug/L	5	8260	2/19/04 14:54	JYS
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 14:54	JYS
SURR: DIBROMOFLUOROMETHANE	111	%	74-133	8260	2/19/04 14:54	JYS
SURR: BROMOFLUOROBENZENE	96	%	69-139	8260	2/19/04 14:54	JYS

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Lab Report



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2/20/04

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Hart & Hickman

Mike Crouch

501 Minuet Lane, Suite 101

Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan

Customer Sample ID: GP-11

Prism Sample ID: AD07781 Matrix: groundwater

Login Group: 6080L13

Sample Collection Date/Time: 2/11/04 15:50

Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DILUTION FACTOR	1	ug/L		8260	2/19/04 14:54	JYS

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



Full Service Analytical And Environmental Solutions

2/20/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: GP-12
Prism Sample ID: AD07782 Matrix: groundwater
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04 16:15
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BROMODICHLOROMETHANE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
BROMOFORM	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
BROMOMETHANE	Not detected	ug/L	5	8260	2/19/04 15:21	JYS
CARBON TETRACHLORIDE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
CHLOROBENZENE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
CHLOROETHANE	Not detected	ug/L	5	8260	2/19/04 15:21	JYS
CHLOROFORM	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
CHLOROMETHANE	Not detected	ug/L	5	8260	2/19/04 15:21	JYS
DIBROMOCHLOROMETHANE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
1,2-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
1,3-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
1,4-DICHLOROBENZENE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
DICHLORODIFLUOROMETHANE	Not detected	ug/L	5	8260	2/19/04 15:21	JYS
1,1-DICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
1,2-DICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
1,1-DICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
1,2-DICHLOROPROPANE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	5	8260	2/19/04 15:21	JYS
EDB	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
METHYLENE CHLORIDE	Not detected	ug/L	5	8260	2/19/04 15:21	JYS
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
TETRACHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
1,1,1-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
1,1,2-TRICHLOROETHANE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
TRICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
TRICHLOROFLUOROMETHANE	Not detected	ug/L	5	8260	2/19/04 15:21	JYS
VINYL CHLORIDE	Not detected	ug/L	5	8260	2/19/04 15:21	JYS
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	1	8260	2/19/04 15:21	JYS
SURR: DIBROMOFLUOROMETHANE	114	%	74-133	8260	2/19/04 15:21	JYS
SURR: BROMOFLUOROBENZENE	99	%	69-139	8260	2/19/04 15:21	JYS

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Lab Report



Full Service Analytical And Environmental Solutions

2/20/04

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Hart & Hickman

Customer Project ID: Goodrich-Delavan

Mike Crouch

Customer Sample ID: GP-12

501 Minuet Lane, Suite 101

Prism Sample ID: AD07782 Matrix: groundwater

Charlotte, NC 28217

Login Group: 6080L13

Sample Collection Date/Time: 2/11/04 16:15

Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DILUTION FACTOR	1	ug/L		8260	2/19/04 15:21	JYS

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: QC
Prism Sample ID: AD07783 Matrix: n/a
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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QC REPORT - METHOD BLANK DATA

xSW846-8260 2/19/04 13:34 JYS

BATCH ID : VMS-E-021904

COMPOUND

RESULT
(ug/L)

BROMODICHLOROMETHANE
BROMOFORM
BROMOMETHANE
CARBON TETRACHLORIDE
CHLOROBENZENE
CHLOROETHANE
CHLOROFORM
CHLOROMETHANE
DIBROMOCHLOROMETHANE
1,2-DICHLOROBENZENE
1,3-DICHLOROBENZENE
1,4-DICHLOROBENZENE
DICHLORODIFLUOROMETHANE
1,1-DICHLOROETHANE
1,2-DICHLOROETHANE
1,1-DICHLOROETHENE
TRANS-1,2-DICHLOROETHENE
1,2-DICHLOROPROPANE
CIS-1,3-DICHLOROPROPENE
TRANS-1,3-DICHLOROPROPENE
EDB
METHYLENE CHLORIDE
1,1,2,2-TETRACHLOROETHANE
TETRACHLOROETHENE
1,1,1-TRICHLOROETHANE
1,1,2-TRICHLOROETHANE
TRICHLOROETHENE
TRICHLOROFLUOROMETHANE
VINYL CHLORIDE
CIS-1,2-DICHLOROETHENE

<1
<1
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<5
<1

QC REPORT- MS/MSD DATA

xSW846-8260 2/19/04 20:14 JYS

QC BATCH ID: VMS-E-021904

SAMPLE SPIKED: AD07946

COMPOUND	MS %REC #	MSD %REC #	RPD #	%REC RANGE	RPD RANGE	PASS/ FAIL
1,1-DICHLOROETHENE	86	79	9	54-140	<20	PASS
BENZENE	99	91	8	62-129	<19	PASS
TRICHLOROETHENE	92	84	9	52-128	<18	PASS
TOLUENE	98	89	9	60-131	<21	PASS
CHLOROBENZENE	91	85	6	64-127	<20	PASS

Lab Report

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: QC
Prism Sample ID: AD07783 Matrix: n/a
Login Group: 6080L13
Sample Collection Date/Time: 2/11/04
Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
QC REPORT- LCS DATA				xSW846-8260	2/19/04 11:53	JYS
QC BATCH ID: VMS-E-021904						
COMPOUND	% REC #	% REC RANGE	PASS/ FAIL			
1,1-DICHLOROETHENE	88	62-141	PASS			
BENZENE	97	70-141	PASS			
TRICHLOROETHENE	93	78-124	PASS			
TOLUENE	95	78-130	PASS			
CHLOROBENZENE	92	88-120	PASS			

Sample Comments:



Angela D. Overcash, V.P. Laboratory Services

2/20/04

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Hart & Hickman

Mike Crouch

501 Minuet Lane, Suite 101

Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan

Customer Sample ID: QC

Prism Sample ID: AD07783 Matrix: n/a

Login Group: 6080L13

Sample Collection Date/Time: 2/11/04

Lab Submittal Date/Time: 2/11/04 19:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
-------------------	----------------	-------	--------------------	---------------------	----------------------	---------

Sample Comments:



Angela D. Overcash, V.P. Laboratory Services

Case Narrative



Date: 1/6/04

Company: Hart & Hickman
Contact: Mike Crouch
Address: 501 Minuet Lane, Suite 101
Charlotte, NC 28217

Client Project ID: Goodrich-Delavan
Prism Log-In Group No: 4940L1

The attached Laboratory Report contains the analytical results for the project identified above and includes Quality Control Data and a Chain-of-Custody copy.

Data qualifiers are flagged individually on each sample. Quality control statements and/or sample specific remarks are included in the sample comments section of the laboratory report for each sample affected.

Please call if you have any questions relating to this analytical report.

Data Reviewed by: C. Rusmisset

Signature: *C. Rusmisset*

Review Date: 1/6/04

Project Manager: Angela D. Overcash

Signature: *Angela D. Overcash by Ruth Jones*

Approval Date: 1/6/04

Note: This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

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Lab Report



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1/6/04

Page 1 of 2

Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: **Goodrich-Delavan**
Customer Sample ID: **MW-1**
Prism Sample ID: **AD04267** Matrix: groundwater
Login Group: **4940L1**
Sample Collection Date/Time: **12/30/03 13:30**
Lab Submittal Date/Time: **12/31/03 09:40**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
CHLORIDE	6.6	mg/L	1.0	EPA 300.0	12/31/03 13:37	TAR
NITRATE	1.4	mg/l	0.10	EPA 300.0	12/31/03 13:37	TAR
SULFATE	7.0	mg/L	1.0	EPA 300.0	1/2/04 14:23	TAR
SULFATE QC REPORT				xEPA 300.0	1/2/04 14:23	TAR

Batch ID: 040102

Sample Spiked: ad04267

	True Value	Value Obtained	% Recovery	Acceptance Ranges
Method BLK	---	<1.0	---	<1.0
QC STD	20.0	19.825 mg/L	99	90%-110%
QC STD	5.0	5.436 mg/L	109	90%-110%
MRL STD	1.0	1.055 mg/L	106	80%-120%
MS	10.0	10.032 mg/L	100	80%-120%
MSD	10.0	10.015 mg/L	100	80%-120%
	Dup1	Dup2		
RPD	10.032	10.015	0.17	<20% RPD

CHLORIDE QC REPORT

xEPA 300.0

12/31/03 11:59

TAR

Batch ID: 031231

Sample Spiked: ad04207

	True Value	Value Obtained	% Recovery	Acceptance Ranges
Method BLK	---	<1.0	---	<1.0
QC STD	20.0	18.974 mg/L	95	90%-110%
QC STD	5.0	4.885 mg/L	98	90%-110%
RL STD	1.0	1.029 mg/L	103	80%-120%
MS	10.0	8.772 mg/L	88	80%-120%
MSD	10.0	8.765 mg/L	88	80%-120%
	Dup1	Dup2		
RPD	10.625	10.618	<0.10	<20% RPD

NITRATE QC REPORT

xEPA 300.0

12/31/03 11:59

TAR

Batch ID: 031231

Sample Spiked: ad04207

	True Value	Value Obtained	% Recovery	Acceptance Ranges
Method BLK	---	<0.1	---	<0.1
QC STD	20.0	19.176 mg/L	96	90%-110%
QC STD	5.0	4.815 mg/L	96	90%-110%
RL STD	0.1	0.092 mg/L	92	80%-120%
MS	10.0	9.475 mg/L	95	80%-120%
MSD	10.0	9.478 mg/L	95	80%-120%
	Dup1	Dup2		
RPD	9.611	9.614	<0.10	<20% RPD

Lab Report



Full Service Analytical And Environmental Solutions

1/6/04

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Hart & Hickman
Mike Crouch
501 Minuet Lane, Suite 101
Charlotte, NC 28217

Customer Project ID: Goodrich-Delavan
Customer Sample ID: MW-1
Prism Sample ID: AD04267 **Matrix:** groundwater
Login Group: 4940L1
Sample Collection Date/Time: 12/30/03 13:30
Lab Submittal Date/Time: 12/31/03 09:40

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
-------------------	----------------	-------	--------------------	---------------------	----------------------	---------

Sample Comments:

A handwritten signature in black ink, appearing to be "R. Overcash", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

