

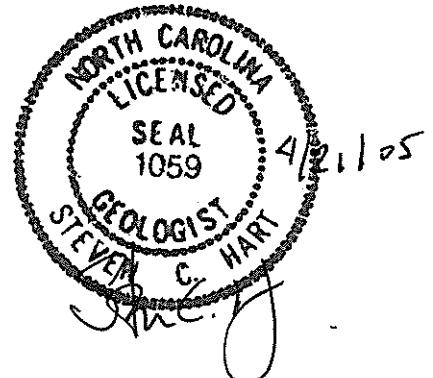
**Brownfield  
Site Assessment Report  
Former Grey Hosiery Mill  
301 Fourth Avenue East  
Hendersonville, North Carolina**

**H&H Job No. LOS-001**

**April 21, 2005**



Hart & Hickman, PC  
2923 S. Tryon Street  
Suite 100  
Charlotte, NC 28203  
704.586.0007  
Fax 704.586.0373



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**Brownfield Site Assessment Report**  
**Former Grey Hosiery Mill**  
**301 Fourth Avenue East**  
**Hendersonville, North Carolina**

## 1.0 Introduction and Background

Hart & Hickman, PC (H&H) has completed Brownfield site assessment activities at the former Grey Hosiery Mill (GHM) property located in Hendersonville, North Carolina. The former Grey Hosiery Mill facility is located at 301 Fourth Avenue East in Hendersonville (Figure 1). The site is currently owned by the City of Hendersonville and contains two tracts. The main tract where the site building resides is located between Fourth Avenue East and Fifth Avenue East on the east side of North Grove Street. The second tract is a gravel parking lot and is located across Fourth Avenue East to the south of the first tract. The approximate 1.64-acre site contains an approximate 40,000-square ft one-story brick building with a basement. The site building was developed in 1915 and used until the mid-1970's as a hosiery mill. A site plan is included as Figure 2.

A 2004 Phase I Environmental Site Assessment (ESA) Update for the site prepared by others indicated that the site was listed in the City of Hendersonville directories as the Grey Hosiery Mill from 1922 until 1976. Additional information in the Phase I Report indicated that Holt Hosiery Mills operated at the site from 1965 until 1976. Mills River Industries was listed in the Phase I Report to have utilized a portion of the site during 1985 and 1986. In general, since the mid-1970's the site has been used by a variety of tenants for retail, office space, and a maintenance garage.

Previous assessment conducted by others indicates the presence of volatile organic compounds (VOCs) in ground water at the site. A total of five temporary monitoring wells screened within the saprolite zone were previously installed at the site during two separate Phase II ground water investigations in 1996. All of the wells have reportedly been abandoned. VOCs above ground water standards were detected in ground water samples collected east of the site building (see Figure 2). The compounds detected above standards include 1,2-dichloropropane (1,2-DCP; up

to 790 µg/l) and tetrachloroethene (PCE; up to 6 µg/l). During the previous investigations, no soil samples were collected for laboratory analysis.

The Brownfield site assessment was performed for the Land-of-Sky Regional Council who is working in cooperation with the City of Hendersonville and the Old Mill Arts Committee to obtain a Brownfields Agreement for the site. The Brownfields Letter of Intent indicates that the City of Hendersonville and the Old Mill Arts Committee want to redevelop the site building for use as a community arts center. The structure will become an incubator for and a benefit to non-profit arts organizations, including the musical, performing, visual, and literary arts and other supplementary groups as necessary for the education, entertainment, heritage studies, and scientific enlightenment of the community through the arts.

The results of previous assessment activities were utilized by the North Carolina Department of Environment and Natural Resources (DENR) Brownfields Section to determine a scope of work for the Brownfields site assessment. The DENR letter containing the requested scope of work is contained in Appendix C. The requested scope of work included soil and ground water sampling at the site. The results of the assessment activities will be used in negotiating Brownfields Agreements for the sites with DENR. Specifically, the results will be used to evaluate if contamination which may be present at the sites poses a potential environmental risk for planned site redevelopment. The results will also be evaluated to determine if additional assessment is warranted at the site or if remedial activities or engineering controls are warranted to make the site safe for redevelopment.

Prior to initiation of the site assessment activities, work plans were prepared which included a Health and Safety Plan (HSP), Field Sampling and Analysis Plan (FSAP), and Quality Assurance Project Plan (QAPP). The HSP describes procedures to be followed to minimize risks to health and safety during performance of the field activities, the FSAP presents specific field procedures to be followed during site assessment activities, and the QAPP outlines specific procedures that were implemented to assure and control the quality and integrity of sample collection and analysis during the course of the assessment.

The assessment activities were conducted in accordance with the work plans. The work plans include information such as sampling methods, decontamination procedures, field documentation procedures, field equipment calibration procedures, etc. For sake of brevity these details are not provided herein. For specific details concerning this information, the reader should reference the applicable work plan.

The methods, results, and recommendations of the Brownfields site assessment activities are provided in the following sections.

## **2.0 Sampling Activities**

### **2.1 General Field Practices**

H&H conducted soil and ground water sampling activities at the site during the period January 31 through February 2, 2005 and on February 4, 2005. Field activities consisted of 1) advancing six borings using a direct push technology rig (DPT); 2) installing permanent monitoring wells in each of the borings; 3) collecting soil samples for laboratory analysis from all of the borings; and 4) collecting ground water samples for laboratory analysis.

The locations of the six borings advanced at the site, labeled MW-1 through MW-6, are provided in Figure 2. MW-5 needed to be moved approximately 50 ft south of the original location requested by DENR due to the presence of underground utilities in this area. Ms. Tracy Wahl with DENR was on-site during portions of the field activities and approved the final boring locations.

The laboratory analyses were conducted by Prism Laboratories, Inc., a North Carolina-certified laboratory. Dedicated laboratory-supplied sample bottles were used for sample collection. A chain-of-custody record was completed for samples collected and included the sample description, date collected, time collected, matrix, sample container information, and analyses. The chain-of-custody was signed by H&H prior to placement in an iced cooler for shipment to the analytical laboratory. Prior to shipment, the cooler was closed with a seal indicating the H&H representative's signature and date such that potential disturbance of the cooler contents could be detected by the laboratory.

Specific details concerning the soil and ground water sampling are provided below.

## **2.2 Soil Sampling**

Soil samples were collected continuously during advancement of the six monitor well borings. Following collection soil samples were described for lithologic purposes (i.e., soil type), inspected for the presence of staining, and field screened for the presence of organic vapors with a calibrated photoionization detector (PID). Based upon the field screening, one soil sample was selected from above the water table (approximately 5.5 ft to 10 ft below ground surface) from each boring for laboratory analysis.

Soil samples were collected in two foot intervals ranging from 2 ft to 6 ft below grade for laboratory analysis. Table 3 presents the soil sample depth intervals selected from each boring for laboratory analysis. The soil sample from each well boring location was analyzed for volatile organic compounds (VOCs) by EPA Method 8260.

Soil samples from three of the borings were also analyzed for additional parameters. The borings to be analyzed for these additional parameters were based upon the field screening and, because no significant soil impacts were identified in the field screening, their location at the site. The borings selected for these additional parameters were MW-1, MW-4, and MW-6. In addition to VOCs, the soil samples selected from these three borings were also analyzed for semi-volatile organic compounds (SVOCs) by EPA Method 8270C, pesticides by EPA Method 8081, PCBs by EPA Method 8082, and the hazardous substance list (HSL) metals by EPA Methods 6010/7471. The HSL metals include antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc. The three borings selected for additional soil analyses correspond with the monitoring wells selected for additional ground water analyses as discussed below.

## **2.3 Monitor Well Installation and Sampling**

Permanent monitor wells were installed in each of the six borings. In accordance with the DENR scope of work, each well was installed to a depth of 25 ft with a 10 ft bottom section of screen. The wells were constructed of 1.5-inch diameter PVC casing and screen. The screens

were 10 ft long, 1.5-inch diameter pre-packed PVC screens (well screen surrounded by sand and covered with a fine wire mesh). The wells were constructed flush with the ground surface inside a well access manhole in a 2 ft by 2 ft concrete pad. Following installation, the top of casing elevation and ground surface elevation of each monitor well was determined by survey techniques. Refer to Table 1 for a monitoring well data summary including total depth, screen length, top of casing elevation, and ground surface elevation.

Following installation, each well was developed with a peristaltic pump with dedicated tubing or a disposable polyethylene bailer. During the development process, field readings of pH, conductivity, temperature, and turbidity were measured. Wells were developed until relatively free of sediment and field parameters stabilized.

Following development, the wells were allowed to stabilize prior to sampling. Prior to collecting the ground water samples, the depth to water in each monitor well was obtained using an electronic depth to water meter. In addition, measurements of dissolved oxygen (DO) were collected from the wells prior to purging. Following depth to water and DO measurement, each well was purged in accordance with the work plan procedures. Well development and sampling were conducted with a peristaltic pump or disposable polyethylene bailer. The peristaltic pump was not used for collection of ground water samples for VOC analysis. During the development process, readings of pH, conductivity, temperature, and turbidity were obtained. Final readings for the field parameters are provided in Table 2.

Following purging, ground water samples were collected from each well for analysis of volatile organic compounds (VOCs) by EPA Method 8260. Three of the six wells (MW-1, MW-4, and MW-6) were also selected for analysis of semi-volatile organic compounds (SVOCs) by EPA Method 8270C, pesticides by EPA Methods 8081, PCBs by EPA Method 8082, and HSL metals by EPA Method 6010/7470. The three monitoring wells with additional analyses are the same as those selected for additional soil analyses as discussed above.

Soil generated during the assessment activities was placed on-site. Water generated during well development and purging was containerized on-site in a labeled 55-gallon drum. Based on the

sample results discussed below in Section 3.0, the development water drum can be handled as non-hazardous waste.

## **3.0 Sample Results and Recommendations**

### **3.1 Data Review, Verification and Validation**

In accordance with the QAPP, the field and laboratory analytical data were subjected to review, validation, and verification to ensure that the quality and validity of the data were acceptable for the stated data quality objectives. The laboratory quality assurance data are provided in the laboratory analytical report in Appendix A. The field data review was conducted based upon a review of the field log book.

It should be noted that the field activities were conducted at the same time as a similar Brownfields assessment for the Land of Sky Regional Council at the Historic Cotton Mill in Asheville, North Carolina. In accordance with the approved QAPP, in some cases quality assurance samples from the two sites were combined and, although a sample may have been collected at one site, it was intended to be applicable to both sites for quality assurance purposes. For example, a duplicate ground water sample was collected at the Historic Cotton Mill site but was intended to provide a measure of laboratory reproducibility for both sites.

The following is a summary of the data review, verification, and validation:

#### Field Data

- All borings were installed in the proper location. As noted previously, MW-5 was moved due to the presence of underground utilities and this modification was approved by DENR.
- The proper laboratory analyses were requested for each sample.
- The field procedures for sampling, decontamination, calibration, etc. were followed in accordance with the FSAP and QAPP procedures.

- Field activities were appropriately documented in the field log book.
- The field chain of custody was properly completed.

#### Laboratory Data

- The requested laboratory analyses were performed by the laboratory on each sample.
- The laboratory analyses were conducted within the method holding times.
- The samples were received at the laboratory in good condition and properly preserved.
- Chain of custody protocol was properly maintained.
- No compounds were detected in the trip blank which accompanied the VOC ground water samples during shipment.
- The duplicate ground water samples were within the acceptable precision goal.
- Matrix spike sample recoveries were all within control limits except soil sample analyses for antimony and arsenic were below control limits. The laboratory indicated that matrix interference is suspected. The data were given an "M" qualifier in Table 3. The data are considered useable.
- Matrix spike duplicate analyses were within control limits.
- No compounds were detected in the laboratory method blanks except that antimony was detected in the method blank for the soil sample analyses at a concentration below the reporting limit. Because this compound was not detected in the soil samples above reporting limits the data was accepted as useable.

- Soil sample MW-5 (4-6 ft) for VOC analysis had to be analyzed as a 5030 prep instead of a 5035 prep because both 5035 vials produced bad purges. The VOC analyses for this sample were accepted as useable.
- Select soil and ground water samples for VOC and PCB analysis indicated surrogate recoveries for one surrogate compound outside control limits. The laboratory indicated that this occurred due to suspected matrix interference. The affected data was given a data qualifier of "M" for matrix interference in the associated tables. These data were accepted as useable.

The results of the data review indicate that field and laboratory date were accepted as useable.

### **3.2 Soil Analytical Results**

No soil staining or elevated PID readings were found in the soil samples. Shallow soil at the site was found to be primarily comprised of sandy silt and silty sand.

The results of the soil sample analyses are summarized in Table 3 and the laboratory analytical data are provided in Appendix A. For reference, the soil analytical data were compared to the DENR Inactive Hazardous Sites Soil Remediation Goals (SRGs) for unrestricted use and the Environmental Protection Agency (EPA) Region IX Preliminary Remediation Goals (PRGs) for residential and industrial site uses. Please note that the SRGs and PRGs are very conservative screening levels and are not intended to be cleanup levels. Compound concentrations below the screening levels should not pose a concern. Compound concentrations above the screening levels indicate that further assessment or evaluation may be warranted.

No pesticides, PCBs, or SVOCs were detected in the analyzed soil samples. Acetone was detected in one soil sample (MW-6) below screening levels. Metals concentrations were all within expected background ranges. In summary, no significant soil contamination issues of concern were identified.

### **3.3 Ground Water Results**

Ground water was found to occur at depths ranging from approximately 5.5 ft to 10 ft below ground level. A ground water elevation contour map generated from the ground water elevation data is provided as Figure 3. The ground water elevation contour map indicates that shallow ground water flow in the vicinity of the site is to the southeast. This is consistent with area topography.

The results of the ground water analyses are summarized in Table 2 and the laboratory data sheets are provided in Appendix A. For reference, ground water results were compared to Inactive Hazardous Sites Remediation Goals for ground water (includes North Carolina's 2L Groundwater Standard and Federal maximum contaminant levels). These values are provided in Table 2 are based upon direct ingestion of ground water.

Ground water VOC data were also compared to the EPA Indoor Air Vapor Intrusion screening levels provided in EPA's Vapor Intrusion guidance (*Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance), EPA 530-F-02-052, November 2002*). These screening levels are conservative screening levels based upon volatile ground water compounds volatilizing into indoor building spaces. Based on soil type at the site and expected depth of ground water beneath the site structures, a vapor attenuation factor (i.e., attenuation factor between soil vapor and indoor air) of  $2 \times 10^{-4}$  was used for screening. In the Vapor Intrusion guidance, screening levels for potential carcinogens are calculated based upon excess incremental cancer risks of  $1 \times 10^{-4}$  to  $1 \times 10^{-6}$  which is considered DENR's and EPA's acceptable risk range. These values are listed in Table 2. For non-carcinogens, the same number is provided for all risk levels in Table 2. As with the soil screening levels, the vapor intrusion screening levels are very conservative and are not intended to be cleanup levels. Compound concentrations below or within the screening level acceptable risk range should not pose a concern. Compound concentrations above the screening levels indicate that further assessment or evaluation may be warranted.

The results of the ground water analyses indicate that low levels of chloroform (<20 µg/l) were found in four wells (MW-1, MW-2, MW-5, and MW-6) at the site. The detected concentrations are greater than North Carolina's 2L Groundwater Standard but less than the vapor intrusion screening levels. Tetrachloroethene (PCE) was found in upgradient well MW-4 at a concentration of 53 µg/l. This concentration exceeds North Carolina's 2L Groundwater Standard but is within the acceptable risk range for vapor intrusion. Based upon its location in the upgradient well, the PCE appears to be coming from an off-site upgradient source.

Several metals were also detected in the ground samples. Except for nickel in MW-4, the concentrations are consistent with typical background levels. Nickel does not pose a vapor intrusion concern. No other significant ground water compounds were identified.

1,2-Dichloropropane and PCE were not detected in well MW-1 which was located in the area where previous ground water samples collected in 1996 indicated concentrations of these compounds.

### **3.4 Recommendations**

Based upon the results of the soil and ground water data, H&H recommends that ground water usage be restricted at the site because several compounds were detected above typical health-based ingestion levels. This restriction would typically consist of a land use restriction prohibiting use of ground water at the site. Otherwise, no remediation or further engineering controls appear warranted to make the site safe for planned redevelopment.

**Appendix A**  
**Laboratory Analytical Data**

# Case Narrative



Date: 2/15/05

Company: Hart & Hickman  
Contact: Chad Grubbs  
Address: 2923 S. Tryon St. Ste 100  
Charlotte, NC 28203

Client Project ID: Former Grey Hosiery Mill/Historic  
Cotton Mill  
Prism COC Group No: G0205104

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. A Key Reference for the data qualifiers appears at the bottom of this page.

## Project Comments:

Prism Batch Q02917- Blank result for Sb was greater than the control limit but less than the RL. Several compounds in the MS/MSD were outside of the control limits due to matrix interference. Acceptable recoveries were obtained in the LCS for all compounds.

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

Data Reviewed by: Paula A. Gilleland  
Signature: Paula A. Gilleland  
Review Date: 2/15/05

Project Manager: Angela D. Overcash  
Signature: Angela D. Overcash  
Approval Date: 2/15/05

## Data Qualifier Key Reference:

- #: Result outside of QC Limits
- B: Compound also detected in the method blank
- DO: Compound diluted out.
- E: Estimated concentration, calibration range exceeded
- J: The analyte was positively identified but the value is estimated below the reporting limit
- JH: Estimated concentration with a high bias
- JL: Estimated concentration with a low bias
- M: A matrix effect is present
- T: Tentatively identified compound. The concentration is estimated.

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

449 Springbrook Road, P. O. Box 240543, Charlotte, NC 28224-0403  
Phone: 704/529-6364 Toll Free: 800/529-6364 Fax: 704/525-0409



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM MW-1 (3-5")  
Prism Sample ID: 110170  
COC Group: G0205104  
Time Collected: 01/31/05 12:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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## Percent Solids Determination

Percent Solids 84.6 % 1 SM2540 G 02/04/05 14:30 wconder

## Organochlorine Pesticides by Gas Chromatography

4,4'-DDD	BRL	µg/kg	2.4	0.27	1	8081A	02/10/05 19:48	jvogel	Q03023
4,4'-DDE	BRL	µg/kg	2.4	0.31	1	8081A	02/10/05 19:48	jvogel	Q03023
4,4'-DDT	BRL	µg/kg	2.4	0.28	1	8081A	02/10/05 19:48	jvogel	Q03023
4,4'-Methoxychlor	BRL	µg/kg	4.7	0.40	1	8081A	02/10/05 19:48	jvogel	Q03023
a-BHC	BRL	µg/kg	2.4	0.27	1	8081A	02/10/05 19:48	jvogel	Q03023
a-Chlordane	BRL	µg/kg	2.4	0.45	1	8081A	02/10/05 19:48	jvogel	Q03023
Aldrin	BRL	µg/kg	2.4	0.33	1	8081A	02/10/05 19:48	jvogel	Q03023
b-BHC	BRL	µg/kg	2.4	0.70	1	8081A	02/10/05 19:48	jvogel	Q03023
Chlordane	BRL	µg/kg	24	12	1	8081A	02/10/05 19:48	jvogel	Q03023
d-BHC	BRL	µg/kg	2.4	0.45	1	8081A	02/10/05 19:48	jvogel	Q03023
Dieldrin	BRL	µg/kg	2.4	0.38	1	8081A	02/10/05 19:48	jvogel	Q03023
Endosulfan I	BRL	µg/kg	2.4	0.39	1	8081A	02/10/05 19:48	jvogel	Q03023
Endosulfan II	BRL	µg/kg	2.4	0.37	1	8081A	02/10/05 19:48	jvogel	Q03023
Endosulfan Sulfate	BRL	µg/kg	2.4	0.39	1	8081A	02/10/05 19:48	jvogel	Q03023
Endrin	BRL	µg/kg	2.4	0.35	1	8081A	02/10/05 19:48	jvogel	Q03023
Endrin Aldehyde	BRL	µg/kg	2.4	0.44	1	8081A	02/10/05 19:48	jvogel	Q03023
Endrin Ketone	BRL	µg/kg	2.4	0.35	1	8081A	02/10/05 19:48	jvogel	Q03023
g-BHC	BRL	µg/kg	2.4	0.46	1	8081A	02/10/05 19:48	jvogel	Q03023
g-Chlordane	BRL	µg/kg	2.4	0.37	1	8081A	02/10/05 19:48	jvogel	Q03023
Heptachlor	BRL	µg/kg	2.4	0.40	1	8081A	02/10/05 19:48	jvogel	Q03023
Heptachlor Epoxide	BRL	µg/kg	2.4	0.37	1	8081A	02/10/05 19:48	jvogel	Q03023
Toxaphene	BRL	µg/kg	240	120	1	8081A	02/10/05 19:48	jvogel	Q03023



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM MW-1 (3-5')  
Prism Sample ID: 110170  
COC Group: G0205104  
Time Collected: 01/31/05 12:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 30.02 g / 10 mL 3550B 02/09/05 9:00 dpope P11774

Surrogate	% Recovery	Control Limits
Tetrachloro-m-xylene (TCMX)	89	40 - 162
Decachlorobiphenyl (DCB)	114	26 - 204

## Polychlorinated Biphenyls (PCBs) by GC-ECD

PCB-1016	BRL	mg/kg	0.059	0.017	1	8082	02/10/05 19:48	jvogel	Q03037
PCB-1221	BRL	mg/kg	0.12	0.012	1	8082	02/10/05 19:48	jvogel	Q03037
PCB-1232	BRL	mg/kg	0.059	0.012	1	8082	02/10/05 19:48	jvogel	Q03037
PCB-1242	BRL	mg/kg	0.059	0.014	1	8082	02/10/05 19:48	jvogel	Q03037
PCB-1248	BRL	mg/kg	0.059	0.030	1	8082	02/10/05 19:48	jvogel	Q03037
PCB-1254	BRL	mg/kg	0.059	0.030	1	8082	02/10/05 19:48	jvogel	Q03037
PCB-1260	BRL	mg/kg	0.059	0.017	1	8082	02/10/05 19:48	jvogel	Q03037

Sample Preparation: 30.02 g / 10 mL 3550B 02/09/05 9:00 dpope P11773

Surrogate	% Recovery	Control Limits
Tetrachloro-m-xylene (TCMX)	71	36 - 182
Decachlorobiphenyl (DCB)	80	34 - 182

## Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/kg	5.1	0.68	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,1,1-Trichloroethane	BRL	µg/kg	5.1	0.83	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,1,2,2-Tetrachloroethane	BRL	µg/kg	5.1	0.62	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,1,2-Trichloroethane	BRL	µg/kg	5.1	0.49	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,1-Dichloroethane	BRL	µg/kg	5.1	0.98	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,1-Dichloroethene	BRL	µg/kg	5.1	0.75	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,1-Dichloropropene	BRL	µg/kg	5.1	0.87	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,2,3-Trichlorobenzene	BRL	µg/kg	10	3.6	1	8260B	02/08/05 22:10	kcampigotto	Q02879



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM MW-1 (3-5')  
Prism Sample ID: 110170  
COC Group: G0205104  
Time Collected: 01/31/05 12:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,3-Trichloropropane	BRL	µg/kg	5.1	0.26	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,2,4-Trichlorobenzene	BRL	µg/kg	10	3.5	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,2,4-Trimethylbenzene	BRL	µg/kg	10	3.7	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,2-Dibromo-3-chloropropane	BRL	µg/kg	5.1	1.4	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,2-Dibromoethane (EDB)	BRL	µg/kg	5.1	0.51	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,2-Dichlorobenzene	BRL	µg/kg	10	2.4	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,2-Dichloroethane	BRL	µg/kg	5.1	1.2	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,2-Dichloropropane	BRL	µg/kg	5.1	1.1	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,3,5-Trimethylbenzene	BRL	µg/kg	10	3.8	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,3-Dichlorobenzene	BRL	µg/kg	10	2.9	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,3-Dichloropropane	BRL	µg/kg	5.1	0.91	1	8260B	02/08/05 22:10	kcampigotto	Q02879
1,4-Dichlorobenzene	BRL	µg/kg	10	2.3	1	8260B	02/08/05 22:10	kcampigotto	Q02879
2,2-Dichloropropane	BRL	µg/kg	5.1	0.92	1	8260B	02/08/05 22:10	kcampigotto	Q02879
2-Chloroethyl vinyl ether	BRL	µg/kg	10	0.79	1	8260B	02/08/05 22:10	kcampigotto	Q02879
2-Chlorotoluene	BRL	µg/kg	10	2.5	1	8260B	02/08/05 22:10	kcampigotto	Q02879
2-Hexanone	BRL	µg/kg	51	0.64	1	8260B	02/08/05 22:10	kcampigotto	Q02879
4-Chlorotoluene	BRL	µg/kg	10	2.6	1	8260B	02/08/05 22:10	kcampigotto	Q02879
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	10	0.93	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Acetone	BRL	µg/kg	20	5.2	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Benzene	BRL	µg/kg	3.1	0.99	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Bromobenzene	BRL	µg/kg	5.1	0.72	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Bromochloromethane	BRL	µg/kg	5.1	0.83	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Bromodichloromethane	BRL	µg/kg	5.1	0.63	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Bromoform	BRL	µg/kg	5.1	0.82	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Bromomethane	BRL	µg/kg	10	0.80	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Carbon disulfide	BRL	µg/kg	10	0.73	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Carbon tetrachloride	BRL	µg/kg	5.1	0.78	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Chlorobenzene	BRL	µg/kg	5.1	0.87	1	8260B	02/08/05 22:10	kcampigotto	Q02879



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM MW-1 (3-5')  
Prism Sample ID: 110170  
COC Group: G0205104  
Time Collected: 01/31/05 12:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chlorodibromomethane	BRL	µg/kg	5.1	1.0	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Chloroethane	BRL	µg/kg	10	1.2	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Chloroform	BRL	µg/kg	5.1	0.63	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Chloromethane	BRL	µg/kg	10	0.50	1	8260B	02/08/05 22:10	kcampigotto	Q02879
cis-1,2-Dichloroethene	BRL	µg/kg	5.1	0.88	1	8260B	02/08/05 22:10	kcampigotto	Q02879
cis-1,3-Dichloropropene	BRL	µg/kg	5.1	1.1	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Dibromomethane	BRL	µg/kg	5.1	0.46	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Dichlorodifluoromethane	BRL	µg/kg	10	0.64	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Ethylbenzene	BRL	µg/kg	6.1	1.9	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Hexachlorobutadiene	BRL	µg/kg	15	5.1	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Isopropyl ether (IPE)	BRL	µg/kg	5.1	0.98	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Isopropylbenzene	BRL	µg/kg	10	3.4	1	8260B	02/08/05 22:10	kcampigotto	Q02879
m,p-Xylenes	BRL	µg/kg	15	4.2	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Methyl ethyl ketone (MEK)	BRL	µg/kg	20	1.9	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Methyl t-butyl ether (MTBE)	BRL	µg/kg	5.1	0.60	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Methylene chloride	BRL	µg/kg	10	1.2	1	8260B	02/08/05 22:10	kcampigotto	Q02879
n-Butylbenzene	BRL	µg/kg	15	4.7	1	8260B	02/08/05 22:10	kcampigotto	Q02879
n-Propylbenzene	BRL	µg/kg	10	4.0	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Naphthalene	BRL	µg/kg	6.1	2.0	1	8260B	02/08/05 22:10	kcampigotto	Q02879
o-Xylene	BRL	µg/kg	5.1	1.6	1	8260B	02/08/05 22:10	kcampigotto	Q02879
p-Isopropyltoluene	BRL	µg/kg	15	4.6	1	8260B	02/08/05 22:10	kcampigotto	Q02879
sec-Butylbenzene	BRL	µg/kg	15	4.9	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Styrene	BRL	µg/kg	5.1	1.2	1	8260B	02/08/05 22:10	kcampigotto	Q02879
tert-Butylbenzene	BRL	µg/kg	20	5.7	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Tetrachloroethene	BRL	µg/kg	10	1.9	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Toluene	BRL	µg/kg	5.1	1.1	1	8260B	02/08/05 22:10	kcampigotto	Q02879
trans-1,2-Dichloroethene	BRL	µg/kg	5.1	0.96	1	8260B	02/08/05 22:10	kcampigotto	Q02879
trans-1,3-Dichloropropene	BRL	µg/kg	5.1	1.1	1	8260B	02/08/05 22:10	kcampigotto	Q02879



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill  
Sample Matrix: Soil  
Client Sample ID: GHM MW-1 (3-5')  
Prism Sample ID: 110170  
COC Group: G0205104  
Time Collected: 01/31/05 12:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Trichloroethene	BRL	µg/kg	5.1	1.0	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Trichlorofluoromethane	BRL	µg/kg	5.1	0.88	1	8260B	02/08/05 22:10	kcampigotto	Q02879
Vinyl chloride	BRL	µg/kg	10	0.62	1	8260B	02/08/05 22:10	kcampigotto	Q02879

Surrogate	% Recovery	Control Limits
Toluene-d8	94	81 - 128
Dibromofluoromethane	111	67 - 143
Bromofluorobenzene	104	77 - 128

### Sample Weight Determination

Weight Bisulfate 1	5.81	g	1	5035	02/07/05 0:00	lbrown
Weight Bisulfate 2	5.83	g	1	5035	02/07/05 0:00	lbrown
Weight Methanol	5.16	g	1	5035	02/07/05 0:00	lbrown

### Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/kg	390	66	1	8270C	02/08/05 20:25	bpurser	Q02901
1,2-Dichlorobenzene	BRL	µg/kg	390	54	1	8270C	02/08/05 20:25	bpurser	Q02901
1,3-Dichlorobenzene	BRL	µg/kg	390	40	1	8270C	02/08/05 20:25	bpurser	Q02901
1,4-Dichlorobenzene	BRL	µg/kg	390	32	1	8270C	02/08/05 20:25	bpurser	Q02901
2,4,5-Trichlorophenol	BRL	µg/kg	390	88	1	8270C	02/08/05 20:25	bpurser	Q02901
2,4,6-Trichlorophenol	BRL	µg/kg	390	83	1	8270C	02/08/05 20:25	bpurser	Q02901
2,4-Dichlorophenol	BRL	µg/kg	390	81	1	8270C	02/08/05 20:25	bpurser	Q02901
2,4-Dimethylphenol	BRL	µg/kg	390	76	1	8270C	02/08/05 20:25	bpurser	Q02901
2,4-Dinitrophenol	BRL	µg/kg	390	98	1	8270C	02/08/05 20:25	bpurser	Q02901
2,4-Dinitrotoluene	BRL	µg/kg	390	61	1	8270C	02/08/05 20:25	bpurser	Q02901
2,6-Dinitrotoluene	BRL	µg/kg	390	46	1	8270C	02/08/05 20:25	bpurser	Q02901
2-Chloronaphthalene	BRL	µg/kg	390	64	1	8270C	02/08/05 20:25	bpurser	Q02901
2-Chlorophenol	BRL	µg/kg	390	39	1	8270C	02/08/05 20:25	bpurser	Q02901
2-Methylnaphthalene	BRL	µg/kg	390	67	1	8270C	02/08/05 20:25	bpurser	Q02901



NC Certification No. 402  
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# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Soil

Client Sample ID: GHM MW-1 (3-5')

Prism Sample ID: 110170

COC Group: G0205104

Time Collected: 01/31/05 12:00

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2-Methylphenol	BRL	µg/kg	390	63	1	8270C	02/08/05 20:25	bpurser	Q02901
2-Nitrophenol	BRL	µg/kg	390	50	1	8270C	02/08/05 20:25	bpurser	Q02901
3&4-Methylphenol	BRL	µg/kg	390	62	1	8270C	02/08/05 20:25	bpurser	Q02901
3,3'-Dichlorobenzidine	BRL	µg/kg	390	130	1	8270C	02/08/05 20:25	bpurser	Q02901
4,6-Dinitro-2-methylphenol	BRL	µg/kg	390	88	1	8270C	02/08/05 20:25	bpurser	Q02901
4-Bromophenylphenylether	BRL	µg/kg	390	66	1	8270C	02/08/05 20:25	bpurser	Q02901
4-Chloro-3-methylphenol	BRL	µg/kg	390	74	1	8270C	02/08/05 20:25	bpurser	Q02901
4-Chlorophenylphenylether	BRL	µg/kg	390	60	1	8270C	02/08/05 20:25	bpurser	Q02901
4-Nitrophenol	BRL	µg/kg	390	98	1	8270C	02/08/05 20:25	bpurser	Q02901
Acenaphthene	BRL	µg/kg	390	75	1	8270C	02/08/05 20:25	bpurser	Q02901
Acenaphthylene	BRL	µg/kg	390	74	1	8270C	02/08/05 20:25	bpurser	Q02901
Anthracene	BRL	µg/kg	390	48	1	8270C	02/08/05 20:25	bpurser	Q02901
Benzo(a)anthracene	BRL	µg/kg	390	77	1	8270C	02/08/05 20:25	bpurser	Q02901
Benzo(a)pyrene	BRL	µg/kg	390	39	1	8270C	02/08/05 20:25	bpurser	Q02901
Benzo(b)fluoranthene	BRL	µg/kg	390	52	1	8270C	02/08/05 20:25	bpurser	Q02901
Benzo(g,h,i)perylene	BRL	µg/kg	390	91	1	8270C	02/08/05 20:25	bpurser	Q02901
Benzo(k)fluoranthene	BRL	µg/kg	390	46	1	8270C	02/08/05 20:25	bpurser	Q02901
Bis(2-chloroethoxy)methane	BRL	µg/kg	390	75	1	8270C	02/08/05 20:25	bpurser	Q02901
Bis(2-chloroethyl)ether	BRL	µg/kg	390	27	1	8270C	02/08/05 20:25	bpurser	Q02901
Bis(2-chloroisopropyl)ether	BRL	µg/kg	390	55	1	8270C	02/08/05 20:25	bpurser	Q02901
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	390	43	1	8270C	02/08/05 20:25	bpurser	Q02901
Butylbenzylphthalate	BRL	µg/kg	390	40	1	8270C	02/08/05 20:25	bpurser	Q02901
Chrysene	BRL	µg/kg	390	74	1	8270C	02/08/05 20:25	bpurser	Q02901
Di-n-butylphthalate	BRL	µg/kg	390	54	1	8270C	02/08/05 20:25	bpurser	Q02901
Di-n-octylphthalate	BRL	µg/kg	390	68	1	8270C	02/08/05 20:25	bpurser	Q02901
Dibenzo(a,h)anthracene	BRL	µg/kg	390	93	1	8270C	02/08/05 20:25	bpurser	Q02901
Dibenzofuran	BRL	µg/kg	390	73	1	8270C	02/08/05 20:25	bpurser	Q02901
Diethylphthalate	BRL	µg/kg	390	39	1	8270C	02/08/05 20:25	bpurser	Q02901



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM MW-1 (3-5')  
Prism Sample ID: 110170  
COC Group: G0205104  
Time Collected: 01/31/05 12:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dimethylphthalate	BRL	µg/kg	390	54	1	8270C	02/08/05 20:25	bpurser	Q02901
Fluoranthene	BRL	µg/kg	390	48	1	8270C	02/08/05 20:25	bpurser	Q02901
Fluorene	BRL	µg/kg	390	74	1	8270C	02/08/05 20:25	bpurser	Q02901
Hexachlorobenzene	BRL	µg/kg	390	57	1	8270C	02/08/05 20:25	bpurser	Q02901
Hexachlorobutadiene	BRL	µg/kg	390	51	1	8270C	02/08/05 20:25	bpurser	Q02901
Hexachlorocyclopentadiene	BRL	µg/kg	390	91	1	8270C	02/08/05 20:25	bpurser	Q02901
Hexachloroethane	BRL	µg/kg	390	52	1	8270C	02/08/05 20:25	bpurser	Q02901
Indeno(1,2,3-cd)pyrene	BRL	µg/kg	390	100	1	8270C	02/08/05 20:25	bpurser	Q02901
Isophorone	BRL	µg/kg	390	73	1	8270C	02/08/05 20:25	bpurser	Q02901
N-Nitrosodi-n-propylamine	BRL	µg/kg	390	71	1	8270C	02/08/05 20:25	bpurser	Q02901
N-Nitrosodiphenylamine	BRL	µg/kg	390	57	1	8270C	02/08/05 20:25	bpurser	Q02901
Naphthalene	BRL	µg/kg	390	55	1	8270C	02/08/05 20:25	bpurser	Q02901
Nitrobenzene	BRL	µg/kg	390	71	1	8270C	02/08/05 20:25	bpurser	Q02901
Pentachlorophenol	BRL	µg/kg	390	51	1	8270C	02/08/05 20:25	bpurser	Q02901
Phenanthrene	BRL	µg/kg	390	44	1	8270C	02/08/05 20:25	bpurser	Q02901
Phenol	BRL	µg/kg	390	48	1	8270C	02/08/05 20:25	bpurser	Q02901
Pyrene	BRL	µg/kg	390	31	1	8270C	02/08/05 20:25	bpurser	Q02901
Sample Preparation:		29.77	g	/	1 mL	3550B	02/08/05 7:00	dpope	P11758

Surrogate	% Recovery	Control Limits
Terphenyl-d14	82	41 - 136
Phenol-d5	61	13 - 95
Nitrobenzene-d5	62	14 - 103
2-Fluorophenol	64	14 - 89
2-Fluorobiphenyl	69	21 - 108
2,4,6-Tribromophenol	84	25 - 123

## Mercury by CVAA

Mercury 0.087 mg/kg 0.024 0.00041 1 7471A 02/08/05 10:52 mstover Q02896



NC Certification No. 402  
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FL Certification No. E87519

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Soil

Client Sample ID: GHM MW-1 (3-5')

Prism Sample ID: 110170

COC Group: G0205104

Time Collected: 01/31/05 12:00

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 0.6159 g / 50 mL 7471A 02/08/05 7:30 mstover P11757

## Metals by ICP

Antimony	BRL	mg/kg	0.24	0.047	1	6010B	02/08/05 17:28	mcampbell	Q02917
Arsenic	1.1	mg/kg	0.59	0.085	1	6010B	02/08/05 17:28	mcampbell	Q02917
Beryllium	0.30	mg/kg	0.30	0.0033	1	6010B	02/08/05 17:28	mcampbell	Q02917
Cadmium	0.065 J	mg/kg	0.30	0.0041	1	6010B	02/08/05 17:28	mcampbell	Q02917
Chromium	5.4	mg/kg	0.30	0.018	1	6010B	02/08/05 17:28	mcampbell	Q02917
Copper	0.87	mg/kg	0.59	0.044	1	6010B	02/08/05 17:28	mcampbell	Q02917
Lead	12	mg/kg	0.30	0.025	1	6010B	02/08/05 17:28	mcampbell	Q02917
Nickel	3.5	mg/kg	0.59	0.020	1	6010B	02/08/05 17:28	mcampbell	Q02917
Selenium	0.63	mg/kg	0.59	0.19	1	6010B	02/08/05 17:28	mcampbell	Q02917
Silver	BRL	mg/kg	0.30	0.022	1	6010B	02/08/05 17:28	mcampbell	Q02917
Thallium	BRL	mg/kg	0.59	0.11	1	6010B	02/08/05 17:28	mcampbell	Q02917
Zinc	13	mg/kg	3.0	0.30	1	6010B	02/08/05 17:28	mcampbell	Q02917

Sample Preparation: 2 g / 50 mL 3050B 02/08/05 8:40 cnguyen P11752

## Sample Comment(s):

All results are reported on a dry-weight basis

BRL = Below Reporting Limit

J = Estimated value between the Reporting Limit and the MDL

Angela D. Overcash, V.P. Laboratory Services



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Soil

Client Sample ID: GHM MW-2 (2-4')

Prism Sample ID: 110171

COC Group: G0205104

Time Collected: 01/31/05 15:45

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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## Percent Solids Determination

Percent Solids 83.1 % 1 SM2540 G 02/04/05 14:30 wconder

## Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/kg	4.6	0.62	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,1,1-Trichloroethane	BRL	µg/kg	4.6	0.76	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,1,2,2-Tetrachloroethane	BRL	µg/kg	4.6	0.56	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,1,2-Trichloroethane	BRL	µg/kg	4.6	0.44	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,1-Dichloroethane	BRL	µg/kg	4.6	0.89	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,1-Dichloroethene	BRL	µg/kg	4.6	0.68	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,1-Dichloropropene	BRL	µg/kg	4.6	0.80	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,2,3-Trichlorobenzene	BRL	µg/kg	9.3	3.2	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,2,3-Trichloropropane	BRL	µg/kg	4.6	0.24	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,2,4-Trichlorobenzene	BRL	µg/kg	9.3	3.1	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,2,4-Trimethylbenzene	BRL	µg/kg	9.3	3.3	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,2-Dibromo-3-chloropropane	BRL	µg/kg	4.6	1.3	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,2-Dibromoethane (EDB)	BRL	µg/kg	4.6	0.46	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,2-Dichlorobenzene	BRL	µg/kg	9.3	2.2	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,2-Dichloroethane	BRL	µg/kg	4.6	1.1	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,2-Dichloropropane	BRL	µg/kg	4.6	1.0	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,3,5-Trimethylbenzene	BRL	µg/kg	9.3	3.4	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,3-Dichlorobenzene	BRL	µg/kg	9.3	2.7	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,3-Dichloropropane	BRL	µg/kg	4.6	0.82	1	8260B	02/08/05 22:54	kcampigotto	Q02879
1,4-Dichlorobenzene	BRL	µg/kg	9.3	2.1	1	8260B	02/08/05 22:54	kcampigotto	Q02879
2,2-Dichloropropane	BRL	µg/kg	4.6	0.83	1	8260B	02/08/05 22:54	kcampigotto	Q02879
2-Chloroethyl vinyl ether	BRL	µg/kg	9.3	0.72	1	8260B	02/08/05 22:54	kcampigotto	Q02879
2-Chlorotoluene	BRL	µg/kg	9.3	2.3	1	8260B	02/08/05 22:54	kcampigotto	Q02879
2-Hexanone	BRL	µg/kg	46	0.58	1	8260B	02/08/05 22:54	kcampigotto	Q02879



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Soil

Client Sample ID: GHM MW-2 (2-4")

Prism Sample ID: 110171

COC Group: G0205104

Time Collected: 01/31/05 15:45

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	9.3	2.4	1	8260B	02/08/05 22:54	kcampigotto	Q02879
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	9.3	0.84	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Acetone	BRL	µg/kg	19	4.7	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Benzene	BRL	µg/kg	2.8	0.90	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Bromobenzene	BRL	µg/kg	4.6	0.66	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Bromoform	BRL	µg/kg	4.6	0.76	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Bromochloromethane	BRL	µg/kg	4.6	0.57	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Bromodichloromethane	BRL	µg/kg	4.6	0.75	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Bromoform	BRL	µg/kg	4.6	0.73	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Bromomethane	BRL	µg/kg	9.3	0.67	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Carbon disulfide	BRL	µg/kg	9.3	0.71	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Carbon tetrachloride	BRL	µg/kg	4.6	0.80	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Chlorobenzene	BRL	µg/kg	4.6	0.80	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Chlorodibromomethane	BRL	µg/kg	4.6	0.93	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Chloroethane	BRL	µg/kg	9.3	1.1	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Chloroform	BRL	µg/kg	4.6	0.57	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Chloromethane	BRL	µg/kg	9.3	0.45	1	8260B	02/08/05 22:54	kcampigotto	Q02879
cis-1,2-Dichloroethene	BRL	µg/kg	4.6	0.81	1	8260B	02/08/05 22:54	kcampigotto	Q02879
cis-1,3-Dichloropropene	BRL	µg/kg	4.6	1.0	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Dibromomethane	BRL	µg/kg	4.6	0.42	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Dichlorodifluoromethane	BRL	µg/kg	9.3	0.58	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Ethylbenzene	BRL	µg/kg	5.6	1.8	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Hexachlorobutadiene	BRL	µg/kg	14	4.6	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Isopropyl ether (IPE)	BRL	µg/kg	4.6	0.89	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Isopropylbenzene	BRL	µg/kg	9.3	3.1	1	8260B	02/08/05 22:54	kcampigotto	Q02879
m,p-Xylenes	BRL	µg/kg	14	3.8	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Methyl ethyl ketone (MEK)	BRL	µg/kg	19	1.8	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Methyl t-butyl ether (MTBE)	BRL	µg/kg	4.6	0.55	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Methylene chloride	BRL	µg/kg	9.3	1.1	1	8260B	02/08/05 22:54	kcampigotto	Q02879



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill

Sample Matrix: Soil

Client Sample ID: GHM MW-2 (2-4')

Prism Sample ID: 110171

COC Group: G0205104

Time Collected: 01/31/05 15:45

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
n-Butylbenzene	BRL	µg/kg	14	4.3	1	8260B	02/08/05 22:54	kcampigotto	Q02879
n-Propylbenzene	BRL	µg/kg	9.3	3.6	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Naphthalene	BRL	µg/kg	5.6	1.9	1	8260B	02/08/05 22:54	kcampigotto	Q02879
o-Xylene	BRL	µg/kg	4.6	1.5	1	8260B	02/08/05 22:54	kcampigotto	Q02879
p-Isopropyltoluene	BRL	µg/kg	14	4.2	1	8260B	02/08/05 22:54	kcampigotto	Q02879
sec-Butylbenzene	BRL	µg/kg	14	4.4	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Styrene	BRL	µg/kg	4.6	1.1	1	8260B	02/08/05 22:54	kcampigotto	Q02879
tert-Butylbenzene	BRL	µg/kg	19	5.2	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Tetrachloroethene	BRL	µg/kg	9.3	1.8	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Toluene	BRL	µg/kg	4.6	1.0	1	8260B	02/08/05 22:54	kcampigotto	Q02879
trans-1,2-Dichloroethene	BRL	µg/kg	4.6	0.87	1	8260B	02/08/05 22:54	kcampigotto	Q02879
trans-1,3-Dichloropropene	BRL	µg/kg	4.6	1.0	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Trichloroethene	BRL	µg/kg	4.6	0.93	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Trichlorofluoromethane	BRL	µg/kg	4.6	0.81	1	8260B	02/08/05 22:54	kcampigotto	Q02879
Vinyl chloride	BRL	µg/kg	9.3	0.56	1	8260B	02/08/05 22:54	kcampigotto	Q02879

Surrogate	% Recovery	Control Limits
Toluene-d8	93	81 - 128
Dibromofluoromethane	113	67 - 143
Bromofluorobenzene	101	77 - 128

## Sample Weight Determination

Weight Bisulfate 1	6.50	g	1	5035	02/07/05 0:00	lbrown
Weight Bisulfate 2	6.20	g	1	5035	02/07/05 0:00	lbrown
Weight Methanol	5.61	g	1	5035	02/07/05 0:00	lbrown



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM MW-2 (2-4')  
Prism Sample ID: 110171  
COC Group: G0205104  
Time Collected: 01/31/05 15:45  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Comment(s):

*All results are reported on a dry-weight basis*

*BRL = Below Reporting Limit*

*J = Estimated value between the Reporting Limit and the MDL*

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

Angela D. Overcash, V.P. Laboratory Services



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-3 (3-5')  
Prism Sample ID: 110172  
COC Group: G0205104  
Time Collected: 01/31/05 16:15  
Time Submitted: 02/03/05 13:15

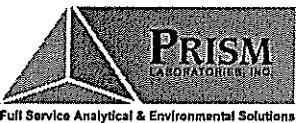
Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Percent Solids Determination

Percent Solids 79.9 % 1 SM2540 G 02/04/05 14:30 wconder

### Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/kg	4.8	0.64	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,1,1-Trichloroethane	BRL	µg/kg	4.8	0.78	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,1,2,2-Tetrachloroethane	BRL	µg/kg	4.8	0.58	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,1,2-Trichloroethane	BRL	µg/kg	4.8	0.46	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,1-Dichloroethane	BRL	µg/kg	4.8	0.92	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,1-Dichloroethene	BRL	µg/kg	4.8	0.71	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,1-Dichloropropene	BRL	µg/kg	4.8	0.82	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,2,3-Trichlorobenzene	BRL	µg/kg	9.5	3.3	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,2,3-Trichloropropane	BRL	µg/kg	4.8	0.25	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,2,4-Trichlorobenzene	BRL	µg/kg	9.5	3.2	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,2,4-Trimethylbenzene	BRL	µg/kg	9.5	3.4	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,2-Dibromo-3-chloropropane	BRL	µg/kg	4.8	1.3	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,2-Dibromoethane (EDB)	BRL	µg/kg	4.8	0.48	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,2-Dichlorobenzene	BRL	µg/kg	9.5	2.3	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,2-Dichloroethane	BRL	µg/kg	4.8	1.1	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,2-Dichloropropane	BRL	µg/kg	4.8	1.0	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,3,5-Trimethylbenzene	BRL	µg/kg	9.5	3.5	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,3-Dichlorobenzene	BRL	µg/kg	9.5	2.8	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,3-Dichloropropane	BRL	µg/kg	4.8	0.85	1	8260B	02/08/05 23:39	kcampigotto	Q02879
1,4-Dichlorobenzene	BRL	µg/kg	9.5	2.2	1	8260B	02/08/05 23:39	kcampigotto	Q02879
2,2-Dichloropropane	BRL	µg/kg	4.8	0.86	1	8260B	02/08/05 23:39	kcampigotto	Q02879
2-Chloroethyl vinyl ether	BRL	µg/kg	9.5	0.74	1	8260B	02/08/05 23:39	kcampigotto	Q02879
2-Chlorotoluene	BRL	µg/kg	9.5	2.4	1	8260B	02/08/05 23:39	kcampigotto	Q02879
2-Hexanone	BRL	µg/kg	48	0.60	1	8260B	02/08/05 23:39	kcampigotto	Q02879



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Soil

Client Sample ID: GHM-MW-3 (3-5')  
Prism Sample ID: 110172  
COC Group: G0205104  
Time Collected: 01/31/05 16:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	9.5	2.5	1	8260B	02/08/05 23:39	kcampigotto	Q02879
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	9.5	0.87	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Acetone	BRL	µg/kg	19	4.9	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Benzene	BRL	µg/kg	2.9	0.93	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Bromobenzene	BRL	µg/kg	4.8	0.68	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Bromoform	BRL	µg/kg	4.8	0.78	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Bromochloromethane	BRL	µg/kg	4.8	0.59	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Bromodichloromethane	BRL	µg/kg	4.8	0.77	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Bromoform	BRL	µg/kg	9.5	0.75	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Bromomethane	BRL	µg/kg	9.5	0.69	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Carbon disulfide	BRL	µg/kg	4.8	0.73	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Carbon tetrachloride	BRL	µg/kg	4.8	0.82	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Chlorobenzene	BRL	µg/kg	4.8	0.95	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Chlorodibromomethane	BRL	µg/kg	4.8	0.47	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Chloroethane	BRL	µg/kg	9.5	1.1	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Chloroform	BRL	µg/kg	4.8	0.59	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Chloromethane	BRL	µg/kg	4.8	0.47	1	8260B	02/08/05 23:39	kcampigotto	Q02879
cis-1,2-Dichloroethene	BRL	µg/kg	4.8	0.83	1	8260B	02/08/05 23:39	kcampigotto	Q02879
cis-1,3-Dichloropropene	BRL	µg/kg	4.8	1.0	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Dibromomethane	BRL	µg/kg	4.8	0.43	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Dichlorodifluoromethane	BRL	µg/kg	9.5	0.60	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Ethylbenzene	BRL	µg/kg	5.7	1.8	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Hexachlorobutadiene	BRL	µg/kg	14	4.8	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Isopropyl ether (IPE)	BRL	µg/kg	4.8	0.92	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Isopropylbenzene	BRL	µg/kg	9.5	3.1	1	8260B	02/08/05 23:39	kcampigotto	Q02879
m,p-Xylenes	BRL	µg/kg	14	3.9	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Methyl ethyl ketone (MEK)	BRL	µg/kg	19	1.8	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Methyl t-butyl ether (MTBE)	BRL	µg/kg	4.8	0.56	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Methylene chloride	BRL	µg/kg	9.5	1.1	1	8260B	02/08/05 23:39	kcampigotto	Q02879



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill  
Sample Matrix: Soil  
Client Sample ID: GHM-MW-3 (3-5')  
Prism Sample ID: 110172  
COC Group: G0205104  
Time Collected: 01/31/05 16:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
n-Butylbenzene	BRL	µg/kg	14	4.4	1	8260B	02/08/05 23:39	kcampigotto	Q02879
n-Propylbenzene	BRL	µg/kg	9.5	3.7	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Naphthalene	BRL	µg/kg	5.7	1.9	1	8260B	02/08/05 23:39	kcampigotto	Q02879
o-Xylene	BRL	µg/kg	4.8	1.5	1	8260B	02/08/05 23:39	kcampigotto	Q02879
p-Isopropyltoluene	BRL	µg/kg	14	4.3	1	8260B	02/08/05 23:39	kcampigotto	Q02879
sec-Butylbenzene	BRL	µg/kg	14	4.6	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Styrene	BRL	µg/kg	4.8	1.1	1	8260B	02/08/05 23:39	kcampigotto	Q02879
tert-Butylbenzene	BRL	µg/kg	19	5.3	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Tetrachloroethene	BRL	µg/kg	9.5	1.8	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Toluene	BRL	µg/kg	4.8	1.0	1	8260B	02/08/05 23:39	kcampigotto	Q02879
trans-1,2-Dichloroethene	BRL	µg/kg	4.8	0.90	1	8260B	02/08/05 23:39	kcampigotto	Q02879
trans-1,3-Dichloropropene	BRL	µg/kg	4.8	1.0	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Trichloroethene	BRL	µg/kg	4.8	0.95	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Trichlorofluoromethane	BRL	µg/kg	4.8	0.83	1	8260B	02/08/05 23:39	kcampigotto	Q02879
Vinyl chloride	BRL	µg/kg	9.5	0.58	1	8260B	02/08/05 23:39	kcampigotto	Q02879

Surrogate	% Recovery	Control Limits
Toluene-d8	97	81 - 128
Dibromofluoromethane	112	67 - 143
Bromofluorobenzene	108	77 - 128

## Sample Weight Determination

Weight Bisulfate 1	6.56	g	1	5035	02/07/05 0:00	lbrown
Weight Bisulfate 2	6.46	g	1	5035	02/07/05 0:00	lbrown
Weight Methanol	6.07	g	1	5035	02/07/05 0:00	lbrown



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

## Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-3 (3-5')  
Prism Sample ID: 110172  
COC Group: G0205104  
Time Collected: 01/31/05 16:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Comment(s):

*All results are reported on a dry-weight basis*

*BRL = Below Reporting Limit*

*J = Estimated value between the Reporting Limit and the MDL*

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

Angela D. Overcash, V.P. Laboratory Services



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-4 (4-6)  
Prism Sample ID: 110173  
COC Group: G0205104  
Time Collected: 01/31/05 17:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Percent Solids Determination

Percent Solids 68.4 % 1 SM2540 G 02/04/05 14:30 wconder

### Organochlorine Pesticides by Gas Chromatography

4,4'-DDD	BRL	µg/kg	2.9	0.34	1	8081A	02/10/05 20:34	jvogel	Q03023
4,4'-DDE	BRL	µg/kg	2.9	0.38	1	8081A	02/10/05 20:34	jvogel	Q03023
4,4'-DDT	BRL	µg/kg	2.9	0.35	1	8081A	02/10/05 20:34	jvogel	Q03023
4,4'-Methoxychlor	BRL	µg/kg	5.8	0.50	1	8081A	02/10/05 20:34	jvogel	Q03023
a-BHC	BRL	µg/kg	2.9	0.34	1	8081A	02/10/05 20:34	jvogel	Q03023
a-Chlordane	BRL	µg/kg	2.9	0.56	1	8081A	02/10/05 20:34	jvogel	Q03023
Aldrin	BRL	µg/kg	2.9	0.41	1	8081A	02/10/05 20:34	jvogel	Q03023
b-BHC	BRL	µg/kg	2.9	0.86	1	8081A	02/10/05 20:34	jvogel	Q03023
Chlordane	BRL	µg/kg	29	15	1	8081A	02/10/05 20:34	jvogel	Q03023
d-BHC	BRL	µg/kg	2.9	0.56	1	8081A	02/10/05 20:34	jvogel	Q03023
Dieldrin	BRL	µg/kg	2.9	0.47	1	8081A	02/10/05 20:34	jvogel	Q03023
Endosulfan I	BRL	µg/kg	2.9	0.48	1	8081A	02/10/05 20:34	jvogel	Q03023
Endosulfan II	BRL	µg/kg	2.9	0.45	1	8081A	02/10/05 20:34	jvogel	Q03023
Endosulfan Sulfate	BRL	µg/kg	2.9	0.48	1	8081A	02/10/05 20:34	jvogel	Q03023
Endrin	BRL	µg/kg	2.9	0.44	1	8081A	02/10/05 20:34	jvogel	Q03023
Endrin Aldehyde	BRL	µg/kg	2.9	0.54	1	8081A	02/10/05 20:34	jvogel	Q03023
Endrin Ketone	BRL	µg/kg	2.9	0.44	1	8081A	02/10/05 20:34	jvogel	Q03023
g-BHC	BRL	µg/kg	2.9	0.57	1	8081A	02/10/05 20:34	jvogel	Q03023
g-Chlordane	BRL	µg/kg	2.9	0.45	1	8081A	02/10/05 20:34	jvogel	Q03023
Heptachlor	BRL	µg/kg	2.9	0.50	1	8081A	02/10/05 20:34	jvogel	Q03023
Heptachlor Epoxide	BRL	µg/kg	2.9	0.45	1	8081A	02/10/05 20:34	jvogel	Q03023
Toxaphene	BRL	µg/kg	290	150	1	8081A	02/10/05 20:34	jvogel	Q03023



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill

Sample Matrix: Soil

Client Sample ID: GHM-MW-4 (4-6')

Prism Sample ID: 110173

COC Group: G0205104

Time Collected: 01/31/05 17:30

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 29.68 g / 10 mL 3550B 02/09/05 9:00 dpope P11774

Surrogate	% Recovery	Control Limits
Tetrachloro-m-xylene (TCMX)	92	40 - 162
Decachlorobiphenyl (DCB)	104	26 - 204

## Polychlorinated Biphenyls (PCBs) by GC-ECD

PCB-1016	BRL	mg/kg	0.073	0.020	1	8082	02/10/05 20:34	jvogel	Q03037
PCB-1221	BRL	mg/kg	0.15	0.015	1	8082	02/10/05 20:34	jvogel	Q03037
PCB-1232	BRL	mg/kg	0.073	0.015	1	8082	02/10/05 20:34	jvogel	Q03037
PCB-1242	BRL	mg/kg	0.073	0.018	1	8082	02/10/05 20:34	jvogel	Q03037
PCB-1248	BRL	mg/kg	0.073	0.037	1	8082	02/10/05 20:34	jvogel	Q03037
PCB-1254	BRL	mg/kg	0.073	0.037	1	8082	02/10/05 20:34	jvogel	Q03037
PCB-1260	BRL	mg/kg	0.073	0.020	1	8082	02/10/05 20:34	jvogel	Q03037

Sample Preparation: 29.68 g / 10 mL 3550B 02/09/05 9:00 dpope P11773

Surrogate	% Recovery	Control Limits
Tetrachloro-m-xylene (TCMX)	75	36 - 182
Decachlorobiphenyl (DCB)	78	34 - 182

## Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/kg	6.9	0.92	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,1,1-Trichloroethane	BRL	µg/kg	6.9	1.1	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,1,2,2-Tetrachloroethane	BRL	µg/kg	6.9	0.84	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,1,2-Trichloroethane	BRL	µg/kg	6.9	0.66	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,1-Dichloroethane	BRL	µg/kg	6.9	1.3	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,1-Dichloroethene	BRL	µg/kg	6.9	1.0	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,1-Dichloropropene	BRL	µg/kg	6.9	1.2	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,2,3-Trichlorobenzene	BRL	µg/kg	14	4.8	1	8260B	02/09/05 12:46	kcampigotto	Q02879



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# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill

Sample Matrix: Soil

Client Sample ID: GHM-MW-4 (4-6')

Prism Sample ID: 110173

COC Group: G0205104

Time Collected: 01/31/05 17:30

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,3-Trichloropropane	BRL	µg/kg	6.9	0.36	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,2,4-Trichlorobenzene	BRL	µg/kg	14	4.7	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,2,4-Trimethylbenzene	BRL	µg/kg	14	4.9	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,2-Dibromo-3-chloropropane	BRL	µg/kg	6.9	1.9	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,2-Dibromoethane (EDB)	BRL	µg/kg	6.9	0.69	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,2-Dichlorobenzene	BRL	µg/kg	14	3.3	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,2-Dichloroethane	BRL	µg/kg	6.9	1.6	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,2-Dichloropropane	BRL	µg/kg	6.9	1.5	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,3,5-Trimethylbenzene	BRL	µg/kg	14	5.1	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,3-Dichlorobenzene	BRL	µg/kg	14	4.0	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,3-Dichloropropane	BRL	µg/kg	6.9	1.2	1	8260B	02/09/05 12:46	kcampigotto	Q02879
1,4-Dichlorobenzene	BRL	µg/kg	14	3.2	1	8260B	02/09/05 12:46	kcampigotto	Q02879
2,2-Dichloropropane	BRL	µg/kg	6.9	1.2	1	8260B	02/09/05 12:46	kcampigotto	Q02879
2-Chloroethyl vinyl ether	BRL	µg/kg	14	1.1	1	8260B	02/09/05 12:46	kcampigotto	Q02879
2-Chlorotoluene	BRL	µg/kg	14	3.4	1	8260B	02/09/05 12:46	kcampigotto	Q02879
2-Hexanone	BRL	µg/kg	69	0.86	1	8260B	02/09/05 12:46	kcampigotto	Q02879
4-Chlorotoluene	BRL	µg/kg	14	3.6	1	8260B	02/09/05 12:46	kcampigotto	Q02879
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	14	1.2	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Acetone	BRL	µg/kg	27	7.0	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Benzene	BRL	µg/kg	4.1	1.3	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Bromobenzene	BRL	µg/kg	6.9	0.97	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Bromoform	BRL	µg/kg	6.9	1.1	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Bromochloromethane	BRL	µg/kg	6.9	0.85	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Bromodichloromethane	BRL	µg/kg	6.9	1.1	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Bromoform	BRL	µg/kg	6.9	1.1	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Bromomethane	BRL	µg/kg	14	1.1	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Carbon disulfide	BRL	µg/kg	14	0.99	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Carbon tetrachloride	BRL	µg/kg	6.9	1.1	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Chlorobenzene	BRL	µg/kg	6.9	1.2	1	8260B	02/09/05 12:46	kcampigotto	Q02879



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-4 (4-6')  
Prism Sample ID: 110173  
COC Group: G0205104  
Time Collected: 01/31/05 17:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chlorodibromomethane	BRL	µg/kg	6.9	1.4	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Chloroethane	BRL	µg/kg	14	1.6	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Chloroform	BRL	µg/kg	6.9	0.85	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Chloromethane	BRL	µg/kg	14	0.67	1	8260B	02/09/05 12:46	kcampigotto	Q02879
cis-1,2-Dichloroethene	BRL	µg/kg	6.9	1.2	1	8260B	02/09/05 12:46	kcampigotto	Q02879
cis-1,3-Dichloropropene	BRL	µg/kg	6.9	1.5	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Dibromomethane	BRL	µg/kg	6.9	0.62	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Dichlorodifluoromethane	BRL	µg/kg	14	0.86	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Ethylbenzene	BRL	µg/kg	8.2	2.6	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Hexachlorobutadiene	BRL	µg/kg	21	6.9	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Isopropyl ether (IPE)	BRL	µg/kg	6.9	1.3	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Isopropylbenzene	BRL	µg/kg	14	4.5	1	8260B	02/09/05 12:46	kcampigotto	Q02879
m,p-Xylenes	BRL	µg/kg	21	5.6	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Methyl ethyl ketone (MEK)	BRL	µg/kg	27	2.6	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Methyl t-butyl ether (MTBE)	BRL	µg/kg	6.9	0.81	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Methylene chloride	BRL	µg/kg	14	1.6	1	8260B	02/09/05 12:46	kcampigotto	Q02879
n-Butylbenzene	BRL	µg/kg	21	6.3	1	8260B	02/09/05 12:46	kcampigotto	Q02879
n-Propylbenzene	BRL	µg/kg	14	5.3	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Naphthalene	BRL	µg/kg	8.2	2.7	1	8260B	02/09/05 12:46	kcampigotto	Q02879
o-Xylene	BRL	µg/kg	6.9	2.2	1	8260B	02/09/05 12:46	kcampigotto	Q02879
p-Isopropyltoluene	BRL	µg/kg	21	6.2	1	8260B	02/09/05 12:46	kcampigotto	Q02879
sec-Butylbenzene	BRL	µg/kg	21	6.6	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Styrene	BRL	µg/kg	6.9	1.6	1	8260B	02/09/05 12:46	kcampigotto	Q02879
tert-Butylbenzene	BRL	µg/kg	27	7.7	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Tetrachloroethene	BRL	µg/kg	14	2.6	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Toluene	BRL	µg/kg	6.9	1.5	1	8260B	02/09/05 12:46	kcampigotto	Q02879
trans-1,2-Dichloroethene	BRL	µg/kg	6.9	1.3	1	8260B	02/09/05 12:46	kcampigotto	Q02879
trans-1,3-Dichloropropene	BRL	µg/kg	6.9	1.5	1	8260B	02/09/05 12:46	kcampigotto	Q02879



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-4 (4-6)  
Prism Sample ID: 110173  
COC Group: G0205104  
Time Collected: 01/31/05 17:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Trichloroethene	BRL	µg/kg	6.9	1.4	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Trichlorofluoromethane	BRL	µg/kg	6.9	1.2	1	8260B	02/09/05 12:46	kcampigotto	Q02879
Vinyl chloride	BRL	µg/kg	14	0.84	1	8260B	02/09/05 12:46	kcampigotto	Q02879

Surrogate	% Recovery	Control Limits
Toluene-d8	92	81 - 128
Dibromofluoromethane	110	67 - 143
Bromofluorobenzene	113	77 - 128

## Sample Weight Determination

Weight Bisulfate 1	5.38	g	1	5035	02/07/05 0:00	lbrown
Weight Bisulfate 2	5.33	g	1	5035	02/07/05 0:00	lbrown
Weight Methanol	5.45	g	1	5035	02/07/05 0:00	lbrown

## Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/kg	490	81	1	8270C	02/08/05 22:03	bpurser	Q02901
1,2-Dichlorobenzene	BRL	µg/kg	490	66	1	8270C	02/08/05 22:03	bpurser	Q02901
1,3-Dichlorobenzene	BRL	µg/kg	490	50	1	8270C	02/08/05 22:03	bpurser	Q02901
1,4-Dichlorobenzene	BRL	µg/kg	490	40	1	8270C	02/08/05 22:03	bpurser	Q02901
2,4,5-Trichlorophenol	BRL	µg/kg	490	110	1	8270C	02/08/05 22:03	bpurser	Q02901
2,4,6-Trichlorophenol	BRL	µg/kg	490	100	1	8270C	02/08/05 22:03	bpurser	Q02901
2,4-Dichlorophenol	BRL	µg/kg	490	100	1	8270C	02/08/05 22:03	bpurser	Q02901
2,4-Dimethylphenol	BRL	µg/kg	490	94	1	8270C	02/08/05 22:03	bpurser	Q02901
2,4-Dinitrophenol	BRL	µg/kg	490	120	1	8270C	02/08/05 22:03	bpurser	Q02901
2,4-Dinitrotoluene	BRL	µg/kg	490	75	1	8270C	02/08/05 22:03	bpurser	Q02901
2,6-Dinitrotoluene	BRL	µg/kg	490	57	1	8270C	02/08/05 22:03	bpurser	Q02901
2-Chloronaphthalene	BRL	µg/kg	490	80	1	8270C	02/08/05 22:03	bpurser	Q02901
2-Chlorophenol	BRL	µg/kg	490	49	1	8270C	02/08/05 22:03	bpurser	Q02901
2-Methylnaphthalene	BRL	µg/kg	490	83	1	8270C	02/08/05 22:03	bpurser	Q02901



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## Laboratory Report

2/15/05

Hart & Hickman  
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2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-4 (4-6')  
Prism Sample ID: 110173  
COC Group: G0205104  
Time Collected: 01/31/05 17:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2-Methylphenol	BRL	µg/kg	490	78	1	8270C	02/08/05 22:03	bpurser	Q02901
2-Nitrophenol	BRL	µg/kg	490	62	1	8270C	02/08/05 22:03	bpurser	Q02901
3&4-Methylphenol	BRL	µg/kg	490	77	1	8270C	02/08/05 22:03	bpurser	Q02901
3,3'-Dichlorobenzidine	BRL	µg/kg	490	170	1	8270C	02/08/05 22:03	bpurser	Q02901
4,6-Dinitro-2-methylphenol	BRL	µg/kg	490	110	1	8270C	02/08/05 22:03	bpurser	Q02901
4-Bromophenylphenylether	BRL	µg/kg	490	81	1	8270C	02/08/05 22:03	bpurser	Q02901
4-Chloro-3-methylphenol	BRL	µg/kg	490	91	1	8270C	02/08/05 22:03	bpurser	Q02901
4-Chlorophenylphenylether	BRL	µg/kg	490	74	1	8270C	02/08/05 22:03	bpurser	Q02901
4-Nitrophenol	BRL	µg/kg	490	120	1	8270C	02/08/05 22:03	bpurser	Q02901
Acenaphthene	BRL	µg/kg	490	93	1	8270C	02/08/05 22:03	bpurser	Q02901
Acenaphthylene	BRL	µg/kg	490	91	1	8270C	02/08/05 22:03	bpurser	Q02901
Anthracene	BRL	µg/kg	490	59	1	8270C	02/08/05 22:03	bpurser	Q02901
Benzo(a)anthracene	BRL	µg/kg	490	96	1	8270C	02/08/05 22:03	bpurser	Q02901
Benzo(a)pyrene	BRL	µg/kg	490	49	1	8270C	02/08/05 22:03	bpurser	Q02901
Benzo(b)fluoranthene	BRL	µg/kg	490	65	1	8270C	02/08/05 22:03	bpurser	Q02901
Benzo(g,h,i)perylene	BRL	µg/kg	490	110	1	8270C	02/08/05 22:03	bpurser	Q02901
Benzo(k)fluoranthene	BRL	µg/kg	490	57	1	8270C	02/08/05 22:03	bpurser	Q02901
Bis(2-chloroethoxy)methane	BRL	µg/kg	490	93	1	8270C	02/08/05 22:03	bpurser	Q02901
Bis(2-chloroethyl)ether	BRL	µg/kg	490	34	1	8270C	02/08/05 22:03	bpurser	Q02901
Bis(2-chloroisopropyl)ether	BRL	µg/kg	490	68	1	8270C	02/08/05 22:03	bpurser	Q02901
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	490	53	1	8270C	02/08/05 22:03	bpurser	Q02901
Butylbenzylphthalate	BRL	µg/kg	490	50	1	8270C	02/08/05 22:03	bpurser	Q02901
Chrysene	BRL	µg/kg	490	91	1	8270C	02/08/05 22:03	bpurser	Q02901
Di-n-butylphthalate	BRL	µg/kg	490	66	1	8270C	02/08/05 22:03	bpurser	Q02901
Di-n-octylphthalate	BRL	µg/kg	490	84	1	8270C	02/08/05 22:03	bpurser	Q02901
Dibenzo(a,h)anthracene	BRL	µg/kg	490	110	1	8270C	02/08/05 22:03	bpurser	Q02901
Dibenzofuran	BRL	µg/kg	490	90	1	8270C	02/08/05 22:03	bpurser	Q02901
Diethylphthalate	BRL	µg/kg	490	49	1	8270C	02/08/05 22:03	bpurser	Q02901



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# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-4 (4-6')  
Prism Sample ID: 110173  
COC Group: G0205104  
Time Collected: 01/31/05 17:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID	
Dimethylphthalate	BRL	µg/kg	490	66	1	8270C	02/08/05 22:03	bpurser	Q02901	
Fluoranthene	BRL	µg/kg	490	59	1	8270C	02/08/05 22:03	bpurser	Q02901	
Fluorene	BRL	µg/kg	490	91	1	8270C	02/08/05 22:03	bpurser	Q02901	
Hexachlorobenzene	BRL	µg/kg	490	71	1	8270C	02/08/05 22:03	bpurser	Q02901	
Hexachlorobutadiene	BRL	µg/kg	490	63	1	8270C	02/08/05 22:03	bpurser	Q02901	
Hexachlorocyclopentadiene	BRL	µg/kg	490	110	1	8270C	02/08/05 22:03	bpurser	Q02901	
Hexachloroethane	BRL	µg/kg	490	65	1	8270C	02/08/05 22:03	bpurser	Q02901	
Indeno(1,2,3-cd)pyrene	BRL	µg/kg	490	120	1	8270C	02/08/05 22:03	bpurser	Q02901	
Isophorone	BRL	µg/kg	490	90	1	8270C	02/08/05 22:03	bpurser	Q02901	
N-Nitrosodi-n-propylamine	BRL	µg/kg	490	88	1	8270C	02/08/05 22:03	bpurser	Q02901	
N-Nitrosodiphenylamine	BRL	µg/kg	490	71	1	8270C	02/08/05 22:03	bpurser	Q02901	
Naphthalene	BRL	µg/kg	490	68	1	8270C	02/08/05 22:03	bpurser	Q02901	
Nitrobenzene	BRL	µg/kg	490	88	1	8270C	02/08/05 22:03	bpurser	Q02901	
Pentachlorophenol	BRL	µg/kg	490	63	1	8270C	02/08/05 22:03	bpurser	Q02901	
Phenanthrene	BRL	µg/kg	490	55	1	8270C	02/08/05 22:03	bpurser	Q02901	
Phenol	BRL	µg/kg	490	59	1	8270C	02/08/05 22:03	bpurser	Q02901	
Pyrene	BRL	µg/kg	490	38	1	8270C	02/08/05 22:03	bpurser	Q02901	
Sample Preparation:			29.77	g	/	1 mL	3550B	02/08/05 7:00	dpope	P11758

Surrogate	% Recovery	Control Limits
Terphenyl-d14	71	41 - 136
Phenol-d5	44	13 - 95
Nitrobenzene-d5	46	14 - 103
2-Fluorophenol	48	14 - 89
2-Fluorobiphenyl	53	21 - 108
2,4,6-Tribromophenol	63	25 - 123

## Mercury by CVAA

Mercury	0.026 J	mg/kg	0.029	0.00051	1	7471A	02/08/05 11:05	mstover	Q02896
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NC Certification No. 402  
SC Certification No. 99012  
NC Drinking Water Cert. No. 37735  
FL Certification No. E87519

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-4 (4-6')  
Prism Sample ID: 110173  
COC Group: G0205104  
Time Collected: 01/31/05 17:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Sample Preparation:									
0.6209 g / 50 mL 7471A 02/08/05 7:30 msstover P11757									
<u>Metals by ICP</u>									
Antimony	BRL	mg/kg	0.29	0.058	1	6010B	02/08/05 17:48	mcampbell	Q02917
Arsenic	1.9	mg/kg	0.73	0.11	1	6010B	02/08/05 17:48	mcampbell	Q02917
Beryllium	1.0	mg/kg	0.37	0.0041	1	6010B	02/08/05 17:48	mcampbell	Q02917
Cadmium	0.49	mg/kg	0.37	0.0051	1	6010B	02/08/05 17:48	mcampbell	Q02917
Chromium	4.7	mg/kg	0.37	0.022	1	6010B	02/08/05 17:48	mcampbell	Q02917
Copper	BRL	mg/kg	0.73	0.054	1	6010B	02/08/05 17:48	mcampbell	Q02917
Lead	13	mg/kg	0.37	0.031	1	6010B	02/08/05 17:48	mcampbell	Q02917
Nickel	4.8	mg/kg	0.73	0.025	1	6010B	02/08/05 17:48	mcampbell	Q02917
Selenium	BRL	mg/kg	0.73	0.23	1	6010B	02/08/05 17:48	mcampbell	Q02917
Silver	BRL	mg/kg	0.37	0.028	1	6010B	02/08/05 17:48	mcampbell	Q02917
Thallium	BRL	mg/kg	0.73	0.14	1	6010B	02/08/05 17:48	mcampbell	Q02917
Zinc	37	mg/kg	3.7	0.37	1	6010B	02/08/05 17:48	mcampbell	Q02917
Sample Preparation: 2 g / 50 mL 3050B 02/08/05 8:40 cnguyen P11752									

Sample Comment(s):

All results are reported on a dry-weight basis

BRL = Below Reporting Limit

J = Estimated value between the Reporting Limit and the MDL

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

Angela D. Overcash, V.P. Laboratory Services



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-5 (4-6')  
Prism Sample ID: 110174  
COC Group: G0205104  
Time Collected: 01/31/05 18:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Percent Solids Determination

Percent Solids 76.3 % 1 SM2540 G 02/04/05 14:30 wconder

### Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/kg	6.6	0.88	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,1,1-Trichloroethane	BRL	µg/kg	6.6	1.1	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,1,2,2-Tetrachloroethane	BRL	µg/kg	6.6	0.80	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,1,2-Trichloroethane	BRL	µg/kg	6.6	0.63	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,1-Dichloroethane	BRL	µg/kg	6.6	1.3	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,1-Dichloroethene	BRL	µg/kg	6.6	0.97	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,1-Dichloropropene	BRL	µg/kg	6.6	1.1	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,2,3-Trichlorobenzene	BRL	µg/kg	13	4.6	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,2,3-Trichloropropane	BRL	µg/kg	6.6	0.34	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,2,4-Trichlorobenzene	BRL	µg/kg	13	4.5	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,2,4-Trimethylbenzene	BRL	µg/kg	13	4.7	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,2-Dibromo-3-chloropropane	BRL	µg/kg	6.6	1.8	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,2-Dibromoethane (EDB)	BRL	µg/kg	6.6	0.66	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,2-Dichlorobenzene	BRL	µg/kg	13	3.1	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,2-Dichloroethane	BRL	µg/kg	6.6	1.6	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,2-Dichloropropane	BRL	µg/kg	6.6	1.4	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,3,5-Trimethylbenzene	BRL	µg/kg	13	4.8	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,3-Dichlorobenzene	BRL	µg/kg	13	3.8	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,3-Dichloropropane	BRL	µg/kg	6.6	1.2	1	8260B	02/09/05 15:52	kcampigotto	Q02879
1,4-Dichlorobenzene	BRL	µg/kg	13	3.0	1	8260B	02/09/05 15:52	kcampigotto	Q02879
2,2-Dichloropropane	BRL	µg/kg	6.6	1.2	1	8260B	02/09/05 15:52	kcampigotto	Q02879
2-Chloroethyl vinyl ether	BRL	µg/kg	13	1.0	1	8260B	02/09/05 15:52	kcampigotto	Q02879
2-Chlorotoluene	BRL	µg/kg	13	3.3	1	8260B	02/09/05 15:52	kcampigotto	Q02879
2-Hexanone	BRL	µg/kg	66	0.83	1	8260B	02/09/05 15:52	kcampigotto	Q02879



NC Certification No. 402  
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NC Drinking Water Cert. No. 37735  
FL Certification No. E87519

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-5 (4-6")  
Prism Sample ID: 110174  
COC Group: G0205104  
Time Collected: 01/31/05 18:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	13	3.4	1	8260B	02/09/05 15:52	kcampigotto	Q02879
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	13	1.2	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Acetone	BRL	µg/kg	130	6.7	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Benzene	BRL	µg/kg	3.9	1.3	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Bromobenzene	BRL	µg/kg	6.6	0.93	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Bromochloromethane	BRL	µg/kg	6.6	1.1	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Bromodichloromethane	BRL	µg/kg	6.6	0.81	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Bromoform	BRL	µg/kg	6.6	1.1	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Bromomethane	BRL	µg/kg	13	1.0	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Carbon disulfide	BRL	µg/kg	13	0.94	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Carbon tetrachloride	BRL	µg/kg	6.6	1.0	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Chlorobenzene	BRL	µg/kg	6.6	1.1	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Chlorodibromomethane	BRL	µg/kg	6.6	1.3	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Chloroethane	BRL	µg/kg	13	1.6	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Chloroform	BRL	µg/kg	6.6	0.81	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Chloromethane	BRL	µg/kg	13	0.64	1	8260B	02/09/05 15:52	kcampigotto	Q02879
cis-1,2-Dichloroethylene	BRL	µg/kg	6.6	1.1	1	8260B	02/09/05 15:52	kcampigotto	Q02879
cis-1,3-Dichloropropene	BRL	µg/kg	6.6	1.4	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Dibromomethane	BRL	µg/kg	6.6	0.59	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Dichlorodifluoromethane	BRL	µg/kg	13	0.83	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Ethylbenzene	BRL	µg/kg	7.9	2.5	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Hexachlorobutadiene	BRL	µg/kg	20	6.6	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Isopropyl ether (IPE)	BRL	µg/kg	6.6	1.3	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Isopropylbenzene	BRL	µg/kg	13	4.3	1	8260B	02/09/05 15:52	kcampigotto	Q02879
m,p-Xylenes	BRL	µg/kg	20	5.4	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Methyl ethyl ketone (MEK)	BRL	µg/kg	26	2.5	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Methyl t-butyl ether (MTBE)	BRL	µg/kg	6.6	0.77	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Methylene chloride	BRL	µg/kg	13	1.6	1	8260B	02/09/05 15:52	kcampigotto	Q02879



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Soil

Client Sample ID: GHM-MW-5 (4-6")

Prism Sample ID: 110174

COC Group: G0205104

Time Collected: 01/31/05 18:15

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
n-Butylbenzene	BRL	µg/kg	20	6.0	1	8260B	02/09/05 15:52	kcampigotto	Q02879
n-Propylbenzene	BRL	µg/kg	13	5.1	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Naphthalene	BRL	µg/kg	7.9	2.6	1	8260B	02/09/05 15:52	kcampigotto	Q02879
o-Xylene	BRL	µg/kg	6.6	2.1	1	8260B	02/09/05 15:52	kcampigotto	Q02879
p-Isopropyltoluene	BRL	µg/kg	20	5.9	1	8260B	02/09/05 15:52	kcampigotto	Q02879
sec-Butylbenzene	BRL	µg/kg	20	6.3	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Styrene	BRL	µg/kg	6.6	1.6	1	8260B	02/09/05 15:52	kcampigotto	Q02879
tert-Butylbenzene	BRL	µg/kg	26	7.3	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Tetrachloroethene	BRL	µg/kg	13	2.5	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Toluene	BRL	µg/kg	6.6	1.4	1	8260B	02/09/05 15:52	kcampigotto	Q02879
trans-1,2-Dichloroethene	BRL	µg/kg	6.6	1.2	1	8260B	02/09/05 15:52	kcampigotto	Q02879
trans-1,3-Dichloropropene	BRL	µg/kg	6.6	1.4	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Trichloroethene	BRL	µg/kg	6.6	1.3	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Trichlorofluoromethane	BRL	µg/kg	6.6	1.1	1	8260B	02/09/05 15:52	kcampigotto	Q02879
Vinyl chloride	BRL	µg/kg	13	0.80	1	8260B	02/09/05 15:52	kcampigotto	Q02879

This sample was analyzed as a 5030 soil due to both 5035 vials producing bad purges. One surrogate recovery was above the control limits. Matrix effect from the sample is suspected.

Surrogate	% Recovery	Control Limits
Toluene-d8	95	81 - 128
Dibromofluoromethane	161 #	67 - 143
Bromofluorobenzene	110	77 - 128

### Sample Weight Determination

Weight Bisulfate 1	5.74	g	1	5035	02/07/05 0:00	lbrown
Weight Bisulfate 2	5.89	g	1	5035	02/07/05 0:00	lbrown
Weight Methanol	5.59	g	1	5035	02/07/05 0:00	lbrown



NC Certification No. 402  
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FL Certification No. E87519

## Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-5 (4-6')  
Prism Sample ID: 110174  
COC Group: G0205104  
Time Collected: 01/31/05 18:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Comment(s):

*All results are reported on a dry-weight basis*

*BRL = Below Reporting Limit*

*J = Estimated value between the Reporting Limit and the MDL*

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

Angela D. Overcash, V.P. Laboratory Services



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Soil

Client Sample ID: GHM-MW-6 (3-5")

Prism Sample ID: 110175

COC Group: G0205104

Time Collected: 02/01/05 9:15

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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## Percent Solids Determination

Percent Solids 73.4 % 1 SM2540 G 02/04/05 14:30 wconder

## Organochlorine Pesticides by Gas Chromatography

4,4'-DDD	BRL	µg/kg	2.7	0.31	1	8081A	02/11/05 5:45	jvogel	Q03023
4,4'-DDE	BRL	µg/kg	2.7	0.35	1	8081A	02/11/05 5:45	jvogel	Q03023
4,4'-DDT	BRL	µg/kg	2.7	0.33	1	8081A	02/11/05 5:45	jvogel	Q03023
4,4'-Methoxychlor	BRL	µg/kg	5.4	0.46	1	8081A	02/11/05 5:45	jvogel	Q03023
a-BHC	BRL	µg/kg	2.7	0.31	1	8081A	02/11/05 5:45	jvogel	Q03023
a-Chlordane	BRL	µg/kg	2.7	0.52	1	8081A	02/11/05 5:45	jvogel	Q03023
Aldrin	BRL	µg/kg	2.7	0.38	1	8081A	02/11/05 5:45	jvogel	Q03023
b-BHC	BRL	µg/kg	2.7	0.80	1	8081A	02/11/05 5:45	jvogel	Q03023
Chlordane	BRL	µg/kg	27	14	1	8081A	02/11/05 5:45	jvogel	Q03023
d-BHC	BRL	µg/kg	2.7	0.52	1	8081A	02/11/05 5:45	jvogel	Q03023
Dieldrin	BRL	µg/kg	2.7	0.44	1	8081A	02/11/05 5:45	jvogel	Q03023
Endosulfan I	BRL	µg/kg	2.7	0.45	1	8081A	02/11/05 5:45	jvogel	Q03023
Endosulfan II	BRL	µg/kg	2.7	0.42	1	8081A	02/11/05 5:45	jvogel	Q03023
Endosulfan Sulfate	BRL	µg/kg	2.7	0.45	1	8081A	02/11/05 5:45	jvogel	Q03023
Endrin	BRL	µg/kg	2.7	0.41	1	8081A	02/11/05 5:45	jvogel	Q03023
Endrin Aldehyde	BRL	µg/kg	2.7	0.50	1	8081A	02/11/05 5:45	jvogel	Q03023
Endrin Ketone	BRL	µg/kg	2.7	0.41	1	8081A	02/11/05 5:45	jvogel	Q03023
g-BHC	BRL	µg/kg	2.7	0.53	1	8081A	02/11/05 5:45	jvogel	Q03023
g-Chlordane	BRL	µg/kg	2.7	0.42	1	8081A	02/11/05 5:45	jvogel	Q03023
Heptachlor	BRL	µg/kg	2.7	0.46	1	8081A	02/11/05 5:45	jvogel	Q03023
Heptachlor Epoxide	BRL	µg/kg	2.7	0.42	1	8081A	02/11/05 5:45	jvogel	Q03023
Toxaphene	BRL	µg/kg	270	140	1	8081A	02/11/05 5:45	jvogel	Q03023



NC Certification No. 402  
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## Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Soil

Client Sample ID: GHM-MW-6 (3-5')

Prism Sample ID: 110175

COC Group: G0205104

Time Collected: 02/01/05 9:15

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 30.17 g / 10 mL 3550B 02/09/05 9:00 dpose P11774

Surrogate	% Recovery	Control Limits
Tetrachloro-m-xylene (TCMX)	104	40 - 162
Decachlorobiphenyl (DCB)	91	26 - 204

### Polychlorinated Biphenyls (PCBs) by GC-ECD

PCB-1016	BRL	mg/kg	0.068	0.019	1	8082	02/11/05 5:45	jvogel	Q03037
PCB-1221	BRL	mg/kg	0.14	0.014	1	8082	02/11/05 5:45	jvogel	Q03037
PCB-1232	BRL	mg/kg	0.068	0.014	1	8082	02/11/05 5:45	jvogel	Q03037
PCB-1242	BRL	mg/kg	0.068	0.016	1	8082	02/11/05 5:45	jvogel	Q03037
PCB-1248	BRL	mg/kg	0.068	0.034	1	8082	02/11/05 5:45	jvogel	Q03037
PCB-1254	BRL	mg/kg	0.068	0.034	1	8082	02/11/05 5:45	jvogel	Q03037
PCB-1260	BRL	mg/kg	0.068	0.019	1	8082	02/11/05 5:45	jvogel	Q03037

One surrogate recovery below the control limits due to matrix interference.

Sample Preparation: 30.17 g / 10 mL 3550B 02/09/05 9:00 dpose P11773

Surrogate	% Recovery	Control Limits
Tetrachloro-m-xylene (TCMX)	83	36 - 182
Decachlorobiphenyl (DCB)	31 #	34 - 182

### Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/kg	6.1	0.81	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,1,1-Trichloroethane	BRL	µg/kg	6.1	0.99	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,1,2,2-Tetrachloroethane	BRL	µg/kg	6.1	0.74	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,1,2-Trichloroethane	BRL	µg/kg	6.1	0.58	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,1-Dichloroethane	BRL	µg/kg	6.1	1.2	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,1-Dichloroethene	BRL	µg/kg	6.1	0.90	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,1-Dichloropropene	BRL	µg/kg	6.1	1.0	1	8260B	02/09/05 1:51	kcampigotto	Q02879



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Soil

Client Sample ID: GHM-MW-6 (3-5')

Prism Sample ID: 110175

COC Group: G0205104

Time Collected: 02/01/05 9:15

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,3-Trichlorobenzene	BRL	µg/kg	12	4.2	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,2,3-Trichloropropane	BRL	µg/kg	6.1	0.32	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,2,4-Trichlorobenzene	BRL	µg/kg	12	4.1	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,2,4-Trimethylbenzene	BRL	µg/kg	12	4.4	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,2-Dibromo-3-chloropropane	BRL	µg/kg	6.1	1.7	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,2-Dibromoethane (EDB)	BRL	µg/kg	6.1	0.61	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,2-Dichlorobenzene	BRL	µg/kg	12	2.9	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,2-Dichloroethane	BRL	µg/kg	6.1	1.5	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,2-Dichloropropane	BRL	µg/kg	6.1	1.3	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,3,5-Trimethylbenzene	BRL	µg/kg	12	4.5	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,3-Dichlorobenzene	BRL	µg/kg	12	3.5	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,3-Dichloropropane	BRL	µg/kg	6.1	1.1	1	8260B	02/09/05 1:51	kcampigotto	Q02879
1,4-Dichlorobenzene	BRL	µg/kg	12	2.8	1	8260B	02/09/05 1:51	kcampigotto	Q02879
2,2-Dichloropropane	BRL	µg/kg	6.1	1.1	1	8260B	02/09/05 1:51	kcampigotto	Q02879
2-Chloroethyl vinyl ether	BRL	µg/kg	12	0.95	1	8260B	02/09/05 1:51	kcampigotto	Q02879
2-Chlorotoluene	BRL	µg/kg	12	3.0	1	8260B	02/09/05 1:51	kcampigotto	Q02879
2-Hexanone	BRL	µg/kg	61	0.76	1	8260B	02/09/05 1:51	kcampigotto	Q02879
4-Chlorotoluene	BRL	µg/kg	12	3.2	1	8260B	02/09/05 1:51	kcampigotto	Q02879
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	12	1.1	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Acetone	57	µg/kg	24	6.2	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Benzene	BRL	µg/kg	3.6	1.2	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Bromobenzene	BRL	µg/kg	6.1	0.86	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Bromochloromethane	BRL	µg/kg	6.1	0.99	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Bromodichloromethane	BRL	µg/kg	6.1	0.75	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Bromoform	BRL	µg/kg	6.1	0.98	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Bromomethane	BRL	µg/kg	12	0.96	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Carbon disulfide	BRL	µg/kg	12	0.87	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Carbon tetrachloride	BRL	µg/kg	6.1	0.93	1	8260B	02/09/05 1:51	kcampigotto	Q02879



NC Certification No. 402  
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NC Drinking Water Cert. No. 37735  
FL Certification No. E87519

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil  
Client Sample ID: GHM-MW-6 (3-5')  
Prism Sample ID: 110175  
COC Group: G0205104  
Time Collected: 02/01/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chlorobenzene	BRL	µg/kg	6.1	1.0	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Chlorodibromomethane	BRL	µg/kg	6.1	1.2	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Chloroethane	BRL	µg/kg	12	1.5	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Chloroform	BRL	µg/kg	6.1	0.75	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Chloromethane	BRL	µg/kg	12	0.59	1	8260B	02/09/05 1:51	kcampigotto	Q02879
cis-1,2-Dichloroethene	BRL	µg/kg	6.1	1.1	1	8260B	02/09/05 1:51	kcampigotto	Q02879
cis-1,3-Dichloropropene	BRL	µg/kg	6.1	1.3	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Dibromomethane	BRL	µg/kg	6.1	0.55	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Dichlorodifluoromethane	BRL	µg/kg	12	0.76	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Ethylbenzene	BRL	µg/kg	7.3	2.3	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Hexachlorobutadiene	BRL	µg/kg	18	6.1	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Isopropyl ether (IPE)	BRL	µg/kg	6.1	1.2	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Isopropylbenzene	BRL	µg/kg	12	4.0	1	8260B	02/09/05 1:51	kcampigotto	Q02879
m,p-Xylenes	BRL	µg/kg	18	5.0	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Methyl ethyl ketone (MEK)	BRL	µg/kg	24	2.3	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Methyl t-butyl ether (MTBE)	BRL	µg/kg	6.1	0.72	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Methylene chloride	BRL	µg/kg	12	1.5	1	8260B	02/09/05 1:51	kcampigotto	Q02879
n-Butylbenzene	BRL	µg/kg	18	5.6	1	8260B	02/09/05 1:51	kcampigotto	Q02879
n-Propylbenzene	BRL	µg/kg	12	4.7	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Naphthalene	BRL	µg/kg	7.3	2.4	1	8260B	02/09/05 1:51	kcampigotto	Q02879
o-Xylene	BRL	µg/kg	6.1	1.9	1	8260B	02/09/05 1:51	kcampigotto	Q02879
p-Isopropyltoluene	BRL	µg/kg	18	5.5	1	8260B	02/09/05 1:51	kcampigotto	Q02879
sec-Butylbenzene	BRL	µg/kg	18	5.8	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Styrene	BRL	µg/kg	6.1	1.5	1	8260B	02/09/05 1:51	kcampigotto	Q02879
tert-Butylbenzene	BRL	µg/kg	24	6.8	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Tetrachloroethene	BRL	µg/kg	12	2.3	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Toluene	BRL	µg/kg	6.1	1.3	1	8260B	02/09/05 1:51	kcampigotto	Q02879
trans-1,2-Dichloroethene	BRL	µg/kg	6.1	1.1	1	8260B	02/09/05 1:51	kcampigotto	Q02879



NC Certification No. 402  
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NC Drinking Water Cert. No. 37735  
FL Certification No. E87519

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill  
Sample Matrix: Soil  
Client Sample ID: GHM-MW-6 (3-5')  
Prism Sample ID: 110175  
COC Group: G0205104  
Time Collected: 02/01/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
trans-1,3-Dichloropropene	BRL	µg/kg	6.1	1.3	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Trichloroethene	BRL	µg/kg	6.1	1.2	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Trichlorofluoromethane	BRL	µg/kg	6.1	1.1	1	8260B	02/09/05 1:51	kcampigotto	Q02879
Vinyl chloride	BRL	µg/kg	12	0.74	1	8260B	02/09/05 1:51	kcampigotto	Q02879

One surrogate recovery was above the control limits. No compounds associated with this surrogate were detected.

Surrogate	% Recovery	Control Limits
Toluene-d8	105	81 - 128
Dibromofluoromethane	117	67 - 143
Bromofluorobenzene	136 #	77 - 128

## Sample Weight Determination

Weight Bisulfate 1	5.62	g	1	5035	02/07/05 0:00	lbrown
Weight Bisulfate 2	4.11	g	1	5035	02/07/05 0:00	lbrown
Weight Methanol	3.32	g	1	5035	02/07/05 0:00	lbrown

## Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/kg	460	76	1	8270C	02/08/05 22:55	bpurser	Q02901
1,2-Dichlorobenzene	BRL	µg/kg	460	62	1	8270C	02/08/05 22:55	bpurser	Q02901
1,3-Dichlorobenzene	BRL	µg/kg	460	47	1	8270C	02/08/05 22:55	bpurser	Q02901
1,4-Dichlorobenzene	BRL	µg/kg	460	37	1	8270C	02/08/05 22:55	bpurser	Q02901
2,4,5-Trichlorophenol	BRL	µg/kg	460	100	1	8270C	02/08/05 22:55	bpurser	Q02901
2,4,6-Trichlorophenol	BRL	µg/kg	460	97	1	8270C	02/08/05 22:55	bpurser	Q02901
2,4-Dichlorophenol	BRL	µg/kg	460	94	1	8270C	02/08/05 22:55	bpurser	Q02901
2,4-Dimethylphenol	BRL	µg/kg	460	88	1	8270C	02/08/05 22:55	bpurser	Q02901
2,4-Dinitrophenol	BRL	µg/kg	460	110	1	8270C	02/08/05 22:55	bpurser	Q02901
2,4-Dinitrotoluene	BRL	µg/kg	460	70	1	8270C	02/08/05 22:55	bpurser	Q02901
2,6-Dinitrotoluene	BRL	µg/kg	460	54	1	8270C	02/08/05 22:55	bpurser	Q02901



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# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill  
Sample Matrix: Soil  
Client Sample ID: GHM-MW-6 (3-5')  
Prism Sample ID: 110175  
COC Group: G0205104  
Time Collected: 02/01/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2-Chloronaphthalene	BRL	µg/kg	460	75	1	8270C	02/08/05 22:55	bpurser	Q02901
2-Chlorophenol	BRL	µg/kg	460	46	1	8270C	02/08/05 22:55	bpurser	Q02901
2-Methylnaphthalene	BRL	µg/kg	460	77	1	8270C	02/08/05 22:55	bpurser	Q02901
2-Methylphenol	BRL	µg/kg	460	73	1	8270C	02/08/05 22:55	bpurser	Q02901
2-Nitrophenol	BRL	µg/kg	460	58	1	8270C	02/08/05 22:55	bpurser	Q02901
3&4-Methylphenol	BRL	µg/kg	460	72	1	8270C	02/08/05 22:55	bpurser	Q02901
3,3'-Dichlorobenzidine	BRL	µg/kg	460	160	1	8270C	02/08/05 22:55	bpurser	Q02901
4,6-Dinitro-2-methylphenol	BRL	µg/kg	460	100	1	8270C	02/08/05 22:55	bpurser	Q02901
4-Bromophenylphenylether	BRL	µg/kg	460	76	1	8270C	02/08/05 22:55	bpurser	Q02901
4-Chloro-3-methylphenol	BRL	µg/kg	460	86	1	8270C	02/08/05 22:55	bpurser	Q02901
4-Chlorophenylphenylether	BRL	µg/kg	460	69	1	8270C	02/08/05 22:55	bpurser	Q02901
4-Nitrophenol	BRL	µg/kg	460	110	1	8270C	02/08/05 22:55	bpurser	Q02901
Acenaphthene	BRL	µg/kg	460	87	1	8270C	02/08/05 22:55	bpurser	Q02901
Acenaphthylene	BRL	µg/kg	460	86	1	8270C	02/08/05 22:55	bpurser	Q02901
Anthracene	BRL	µg/kg	460	55	1	8270C	02/08/05 22:55	bpurser	Q02901
Benzo(a)anthracene	BRL	µg/kg	460	90	1	8270C	02/08/05 22:55	bpurser	Q02901
Benzo(a)pyrene	BRL	µg/kg	460	46	1	8270C	02/08/05 22:55	bpurser	Q02901
Benzo(b)fluoranthene	BRL	µg/kg	460	61	1	8270C	02/08/05 22:55	bpurser	Q02901
Benzo(g,h,i)perylene	BRL	µg/kg	460	100	1	8270C	02/08/05 22:55	bpurser	Q02901
Benzo(k)fluoranthene	BRL	µg/kg	460	54	1	8270C	02/08/05 22:55	bpurser	Q02901
Bis(2-chloroethoxy)methane	BRL	µg/kg	460	87	1	8270C	02/08/05 22:55	bpurser	Q02901
Bis(2-chloroethyl)ether	BRL	µg/kg	460	32	1	8270C	02/08/05 22:55	bpurser	Q02901
Bis(2-chloroisopropyl)ether	BRL	µg/kg	460	63	1	8270C	02/08/05 22:55	bpurser	Q02901
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	460	50	1	8270C	02/08/05 22:55	bpurser	Q02901
Butylbenzylphthalate	BRL	µg/kg	460	47	1	8270C	02/08/05 22:55	bpurser	Q02901
Chrysene	BRL	µg/kg	460	86	1	8270C	02/08/05 22:55	bpurser	Q02901
Di-n-butylphthalate	BRL	µg/kg	460	62	1	8270C	02/08/05 22:55	bpurser	Q02901
Di-n-octylphthalate	BRL	µg/kg	460	79	1	8270C	02/08/05 22:55	bpurser	Q02901



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# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-6 (3-5")  
Prism Sample ID: 110175  
COC Group: G0205104  
Time Collected: 02/01/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibenzo(a,h)anthracene	BRL	µg/kg	460	110	1	8270C	02/08/05 22:55	bpurser	Q02901
Dibenzofuran	BRL	µg/kg	460	84	1	8270C	02/08/05 22:55	bpurser	Q02901
Diethylphthalate	BRL	µg/kg	460	46	1	8270C	02/08/05 22:55	bpurser	Q02901
Dimethylphthalate	BRL	µg/kg	460	62	1	8270C	02/08/05 22:55	bpurser	Q02901
Fluoranthene	BRL	µg/kg	460	55	1	8270C	02/08/05 22:55	bpurser	Q02901
Fluorene	BRL	µg/kg	460	86	1	8270C	02/08/05 22:55	bpurser	Q02901
Hexachlorobenzene	BRL	µg/kg	460	66	1	8270C	02/08/05 22:55	bpurser	Q02901
Hexachlorobutadiene	BRL	µg/kg	460	59	1	8270C	02/08/05 22:55	bpurser	Q02901
Hexachlorocyclopentadiene	BRL	µg/kg	460	100	1	8270C	02/08/05 22:55	bpurser	Q02901
Hexachloroethane	BRL	µg/kg	460	61	1	8270C	02/08/05 22:55	bpurser	Q02901
Indeno(1,2,3-cd)pyrene	BRL	µg/kg	460	120	1	8270C	02/08/05 22:55	bpurser	Q02901
Isophorone	BRL	µg/kg	460	84	1	8270C	02/08/05 22:55	bpurser	Q02901
N-Nitrosodi-n-propylamine	BRL	µg/kg	460	83	1	8270C	02/08/05 22:55	bpurser	Q02901
N-Nitrosodiphenylamine	BRL	µg/kg	460	66	1	8270C	02/08/05 22:55	bpurser	Q02901
Naphthalene	BRL	µg/kg	460	63	1	8270C	02/08/05 22:55	bpurser	Q02901
Nitrobenzene	BRL	µg/kg	460	83	1	8270C	02/08/05 22:55	bpurser	Q02901
Pentachlorophenol	BRL	µg/kg	460	59	1	8270C	02/08/05 22:55	bpurser	Q02901
Phenanthrene	BRL	µg/kg	460	51	1	8270C	02/08/05 22:55	bpurser	Q02901
Phenol	BRL	µg/kg	460	55	1	8270C	02/08/05 22:55	bpurser	Q02901
Pyrene	BRL	µg/kg	460	36	1	8270C	02/08/05 22:55	bpurser	Q02901



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# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-6 (3-5')  
Prism Sample ID: 110175  
COC Group: G0205104  
Time Collected: 02/01/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 29.62 g / 1 mL 3550B 02/08/05 7:00 dpope P11758

Surrogate	% Recovery	Control Limits
Terphenyl-d14	99	41 - 136
Phenol-d5	67	13 - 95
Nitrobenzene-d5	61	14 - 103
2-Fluorophenol	69	14 - 89
2-Fluorobiphenyl	76	21 - 108
2,4,6-Tribromophenol	83	25 - 123

## Mercury by CVAA

Mercury 0.069 mg/kg 0.027 0.00048 1 7471A 02/08/05 11:10 mstover Q02896

Sample Preparation: 0.6137 g / 50 mL 7471A 02/08/05 7:30 mstover P11757

## Metals by ICP

Antimony	BRL	mg/kg	0.27	0.054	1	6010B	02/08/05 17:56	mcampbell	Q02917
Arsenic	1.6	mg/kg	0.68	0.098	1	6010B	02/08/05 17:56	mcampbell	Q02917
Beryllium	1.9	mg/kg	0.34	0.0038	1	6010B	02/08/05 17:56	mcampbell	Q02917
Cadmium	0.11 J	mg/kg	0.34	0.0048	1	6010B	02/08/05 17:56	mcampbell	Q02917
Chromium	4.9	mg/kg	0.34	0.020	1	6010B	02/08/05 17:56	mcampbell	Q02917
Copper	1.9	mg/kg	0.68	0.050	1	6010B	02/08/05 17:56	mcampbell	Q02917
Lead	9.7	mg/kg	0.34	0.029	1	6010B	02/08/05 17:56	mcampbell	Q02917
Nickel	2.0	mg/kg	0.68	0.023	1	6010B	02/08/05 17:56	mcampbell	Q02917
Selenium	0.53 J	mg/kg	0.68	0.22	1	6010B	02/08/05 17:56	mcampbell	Q02917
Silver	BRL	mg/kg	0.34	0.026	1	6010B	02/08/05 17:56	mcampbell	Q02917
Thallium	BRL	mg/kg	0.68	0.13	1	6010B	02/08/05 17:56	mcampbell	Q02917
Zinc	7.3	mg/kg	3.4	0.34	1	6010B	02/08/05 17:56	mcampbell	Q02917

Sample Preparation: 2 g / 50 mL 3050B 02/08/05 8:40 cnguyen P11752



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Soil

Client Sample ID: GHM-MW-6 (3-5')  
Prism Sample ID: 110175  
COC Group: G0205104  
Time Collected: 02/01/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Comment(s):

*All results are reported on a dry-weight basis*

*BRL = Below Reporting Limit*

*J = Estimated value between the Reporting Limit and the MDL.*

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

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Angela D. Overcash, V.P. Laboratory Services



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-1  
Prism Sample ID: 110178  
COC Group: G0205104  
Time Collected: 02/02/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Organochlorine Pesticides and PCBs by GC/ECD

4,4'-DDD	BRL	µg/L	0.050	0.027	1	8081A	02/10/05 2:04	jvogel	Q02975
4,4'-DDE	BRL	µg/L	0.050	0.012	1	8081A	02/10/05 2:04	jvogel	Q02975
4,4'-DDT	BRL	µg/L	0.050	0.036	1	8081A	02/10/05 2:04	jvogel	Q02975
4,4'-Methoxychlor	BRL	µg/L	0.050	0.045	1	8081A	02/10/05 2:04	jvogel	Q02975
a-BHC	BRL	µg/L	0.050	0.010	1	8081A	02/10/05 2:04	jvogel	Q02975
a-Chlordane	BRL	µg/L	0.050	0.014	1	8081A	02/10/05 2:04	jvogel	Q02975
Aldrin	BRL	µg/L	0.050	0.018	1	8081A	02/10/05 2:04	jvogel	Q02975
b-BHC	BRL	µg/L	0.050	0.021	1	8081A	02/10/05 2:04	jvogel	Q02975
Chlordane	BRL	µg/L	0.50	0.10	1	8081A	02/10/05 2:04	jvogel	Q02975
d-BHC	BRL	µg/L	0.050	0.015	1	8081A	02/10/05 2:04	jvogel	Q02975
Dieldrin	BRL	µg/L	0.050	0.013	1	8081A	02/10/05 2:04	jvogel	Q02975
Endosulfan I	BRL	µg/L	0.050	0.010	1	8081A	02/10/05 2:04	jvogel	Q02975
Endosulfan II	BRL	µg/L	0.050	0.019	1	8081A	02/10/05 2:04	jvogel	Q02975
Endosulfan Sulfate	BRL	µg/L	0.050	0.024	1	8081A	02/10/05 2:04	jvogel	Q02975
Endrin	BRL	µg/L	0.050	0.027	1	8081A	02/10/05 2:04	jvogel	Q02975
Endrin Aldehyde	BRL	µg/L	0.050	0.014	1	8081A	02/10/05 2:04	jvogel	Q02975
Endrin Ketone	BRL	µg/L	0.050	0.018	1	8081A	02/10/05 2:04	jvogel	Q02975
g-BHC	BRL	µg/L	0.050	0.021	1	8081A	02/10/05 2:04	jvogel	Q02975
g-Chlordane	BRL	µg/L	0.050	0.013	1	8081A	02/10/05 2:04	jvogel	Q02975
Heptachlor	BRL	µg/L	0.050	0.022	1	8081A	02/10/05 2:04	jvogel	Q02975
Heptachlor Epoxide	BRL	µg/L	0.050	0.018	1	8081A	02/10/05 2:04	jvogel	Q02975
Toxaphene	BRL	µg/L	0.50	0.23	1	8081A	02/10/05 2:04	jvogel	Q02975

Sample Preparation: 1000 mL / 10 mL 3510C 02/08/05 9:00 smanivanh P11764

Surrogate	% Recovery	Control Limits
Tetrachloro-m-xylene (TCMX)	97	40 - 134
Decachlorobiphenyl (DCB)	76	13 - 186



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-1  
Prism Sample ID: 110178  
COC Group: G0205104  
Time Collected: 02/02/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Polychlorinated Biphenyls (PCBs) by GC-ECD

PCB-1016	BRL	µg/L	0.50	0.17	1	8082	02/10/05 2:04	jvogel	Q02981
PCB-1221	BRL	µg/L	1.0	0.33	1	8082	02/10/05 2:04	jvogel	Q02981
PCB-1232	BRL	µg/L	0.50	0.25	1	8082	02/10/05 2:04	jvogel	Q02981
PCB-1242	BRL	µg/L	1.0	0.36	1	8082	02/10/05 2:04	jvogel	Q02981
PCB-1248	BRL	µg/L	0.50	0.25	1	8082	02/10/05 2:04	jvogel	Q02981
PCB-1254	BRL	µg/L	0.50	0.25	1	8082	02/10/05 2:04	jvogel	Q02981
PCB-1260	BRL	µg/L	0.50	0.26	1	8082	02/10/05 2:04	jvogel	Q02981

Sample Preparation: 1000 mL / 10 mL 3510C 02/08/05 9:00 smanivanh P11764

Surrogate	% Recovery	Control Limits
Tetrachloro-m-xylene (TCMX)	79	30 - 161
Decachlorobiphenyl (DCB)	52	32 - 178

### Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/L	1.0	0.40	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,1,1-Trichloroethane	BRL	µg/L	1.0	0.45	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,1,2,2-Tetrachloroethane	BRL	µg/L	1.0	0.30	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,1,2-Trichloroethane	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,1-Dichloroethane	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,1-Dichloroethene	BRL	µg/L	1.0	0.43	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,1-Dichloropropene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,2,3-Trichlorobenzene	BRL	µg/L	2.0	0.57	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,2,3-Trichloropropane	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,2,4-Trichlorobenzene	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,2,4-Trimethylbenzene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,2-Dibromo-3-chloropropane	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,2-Dibromoethane (EDB)	BRL	µg/L	1.0	0.46	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,2-Dichlorobenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 11:10	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-1  
Prism Sample ID: 110178  
COC Group: G0205104  
Time Collected: 02/02/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichloroethane	BRL	µg/L	1.0	0.36	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,2-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,3,5-Trimethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,3-Dichlorobenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,3-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 11:10	kcampigotto	Q02878
1,4-Dichlorobenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 11:10	kcampigotto	Q02878
2,2-Dichloropropane	BRL	µg/L	2.0	0.73	1	8260B	02/09/05 11:10	kcampigotto	Q02878
2-Chloroethyl vinyl ether	BRL	µg/L	2.0	0.43	1	8260B	02/09/05 11:10	kcampigotto	Q02878
2-Chlorotoluene	BRL	µg/L	1.0	0.19	1	8260B	02/09/05 11:10	kcampigotto	Q02878
2-Hexanone	BRL	µg/L	5.0	0.38	1	8260B	02/09/05 11:10	kcampigotto	Q02878
4-Chlorotoluene	BRL	µg/L	1.0	0.18	1	8260B	02/09/05 11:10	kcampigotto	Q02878
4-Methyl-2-pentanone (MIBK)	BRL	µg/L	5.0	0.32	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Acetone	BRL	µg/L	10	2.5	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Acrolein	BRL	µg/L	100	4.5	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Acrylonitrile	BRL	µg/L	100	0.65	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Benzene	BRL	µg/L	1.0	0.14	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Bromobenzene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Bromoform	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Bromochloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Bromodichloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Bromoform	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Bromomethane	BRL	µg/L	3.0	1.1	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Carbon disulfide	BRL	µg/L	5.0	0.71	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Carbon tetrachloride	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Chlorobenzene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Chlorodibromomethane	BRL	µg/L	1.0	0.10	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Chloroethane	BRL	µg/L	5.0	1.6	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Chloroform	19	µg/L	1.0	0.35	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Chloromethane	BRL	µg/L	2.0	0.47	1	8260B	02/09/05 11:10	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-1  
Prism Sample ID: 110178  
COC Group: G0205104  
Time Collected: 02/02/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
cis-1,2-Dichloroethene	BRL	µg/L	1.0	0.47	1	8260B	02/09/05 11:10	kcampigotto	Q02878
cis-1,3-Dichloropropene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Dibromomethane	BRL	µg/L	1.0	0.34	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Dichlorodifluoromethane	BRL	µg/L	2.0	0.26	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Ethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Hexachlorobutadiene	BRL	µg/L	2.0	0.69	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Isopropyl ether (IPE)	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Isopropylbenzene	BRL	µg/L	1.0	0.25	1	8260B	02/09/05 11:10	kcampigotto	Q02878
m,p-Xylenes	BRL	µg/L	2.0	0.51	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Methyl ethyl ketone (MEK)	BRL	µg/L	5.0	0.81	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Methyl t-butyl ether (MTBE)	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Methylene chloride	BRL	µg/L	2.0	0.61	1	8260B	02/09/05 11:10	kcampigotto	Q02878
n-Butylbenzene	BRL	µg/L	1.0	0.33	1	8260B	02/09/05 11:10	kcampigotto	Q02878
n-Propylbenzene	BRL	µg/L	1.0	0.21	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Naphthalene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 11:10	kcampigotto	Q02878
o-Xylene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 11:10	kcampigotto	Q02878
p-Isopropyltoluene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 11:10	kcampigotto	Q02878
sec-Butylbenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Styrene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 11:10	kcampigotto	Q02878
tert-Butylbenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Tetrachloroethene	BRL	µg/L	1.0	0.49	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Toluene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 11:10	kcampigotto	Q02878
trans-1,2-Dichloroethene	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 11:10	kcampigotto	Q02878
trans-1,3-Dichloropropene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Trichloroethene	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Trichlorofluoromethane	BRL	µg/L	2.0	0.65	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Vinyl acetate	BRL	µg/L	20	10	1	8260B	02/09/05 11:10	kcampigotto	Q02878
Vinyl chloride	BRL	µg/L	2.0	0.60	1	8260B	02/09/05 11:10	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-1  
Prism Sample ID: 110178  
COC Group: G0205104  
Time Collected: 02/02/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Surrogate	% Recovery	Control Limits
Toluene-d8	98	75 - 121
Dibromofluoromethane	103	74 - 133
Bromofluorobenzene	103	69 - 139

## Semi-volatile Organics by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/L	10	3.2	1	8270C	02/08/05 16:17	bpurser	Q02869
1,2-Dichlorobenzene	BRL	µg/L	10	2.1	1	8270C	02/08/05 16:17	bpurser	Q02869
1,3-Dichlorobenzene	BRL	µg/L	10	2.4	1	8270C	02/08/05 16:17	bpurser	Q02869
1,4-Dichlorobenzene	BRL	µg/L	10	2.2	1	8270C	02/08/05 16:17	bpurser	Q02869
2,4,5-Trichlorophenol	BRL	µg/L	10	2.7	1	8270C	02/08/05 16:17	bpurser	Q02869
2,4,6-Trichlorophenol	BRL	µg/L	10	2.6	1	8270C	02/08/05 16:17	bpurser	Q02869
2,4-Dichlorophenol	BRL	µg/L	10	2.4	1	8270C	02/08/05 16:17	bpurser	Q02869
2,4-Dimethylphenol	BRL	µg/L	10	3.0	1	8270C	02/08/05 16:17	bpurser	Q02869
2,4-Dinitrophenol	BRL	µg/L	10	2.2	1	8270C	02/08/05 16:17	bpurser	Q02869
2,4-Dinitrotoluene	BRL	µg/L	10	1.3	1	8270C	02/08/05 16:17	bpurser	Q02869
2,6-Dinitrotoluene	BRL	µg/L	10	1.3	1	8270C	02/08/05 16:17	bpurser	Q02869
2-Chloronaphthalene	BRL	µg/L	10	2.2	1	8270C	02/08/05 16:17	bpurser	Q02869
2-Chlorophenol	BRL	µg/L	10	2.4	1	8270C	02/08/05 16:17	bpurser	Q02869
2-Methylnaphthalene	BRL	µg/L	10	1.8	1	8270C	02/08/05 16:17	bpurser	Q02869
2-Methylphenol	BRL	µg/L	10	2.9	1	8270C	02/08/05 16:17	bpurser	Q02869
2-Nitrophenol	BRL	µg/L	10	3.2	1	8270C	02/08/05 16:17	bpurser	Q02869
3&4-Methylphenol	BRL	µg/L	10	3.8	1	8270C	02/08/05 16:17	bpurser	Q02869
3,3'-Dichlorobenzidine	BRL	µg/L	10	2.6	1	8270C	02/08/05 16:17	bpurser	Q02869
4,6-Dinitro-2-methylphenol	BRL	µg/L	10	1.2	1	8270C	02/08/05 16:17	bpurser	Q02869
4-Bromophenylphenylether	BRL	µg/L	10	1.5	1	8270C	02/08/05 16:17	bpurser	Q02869
4-Chloro-3-methylphenol	BRL	µg/L	10	1.8	1	8270C	02/08/05 16:17	bpurser	Q02869
4-Chlorophenylphenylether	BRL	µg/L	10	1.9	1	8270C	02/08/05 16:17	bpurser	Q02869



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Water

Client Sample ID: GHM MW-1

Prism Sample ID: 110178

COC Group: G0205104

Time Collected: 02/02/05 9:15

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Nitrophenol	BRL	µg/L	10	0.56	1	8270C	02/08/05 16:17	bpurser	Q02869
Acenaphthene	BRL	µg/L	10	2.2	1	8270C	02/08/05 16:17	bpurser	Q02869
Acenaphthylene	BRL	µg/L	10	2.0	1	8270C	02/08/05 16:17	bpurser	Q02869
Anthracene	BRL	µg/L	10	0.79	1	8270C	02/08/05 16:17	bpurser	Q02869
Benzo(a)anthracene	BRL	µg/L	10	1.2	1	8270C	02/08/05 16:17	bpurser	Q02869
Benzo(a)pyrene	BRL	µg/L	10	0.94	1	8270C	02/08/05 16:17	bpurser	Q02869
Benzo(b)fluoranthene	BRL	µg/L	10	1.1	1	8270C	02/08/05 16:17	bpurser	Q02869
Benzo(g,h,i)perylene	BRL	µg/L	10	1.3	1	8270C	02/08/05 16:17	bpurser	Q02869
Benzo(k)fluoranthene	BRL	µg/L	10	1.1	1	8270C	02/08/05 16:17	bpurser	Q02869
Bis(2-chloroethoxy)methane	BRL	µg/L	10	2.3	1	8270C	02/08/05 16:17	bpurser	Q02869
Bis(2-chloroethyl)ether	BRL	µg/L	10	2.9	1	8270C	02/08/05 16:17	bpurser	Q02869
Bis(2-chloroisopropyl)ether	BRL	µg/L	10	2.9	1	8270C	02/08/05 16:17	bpurser	Q02869
Bis(2-ethylhexyl)phthalate	2.3 J	µg/L	10	1.2	1	8270C	02/08/05 16:17	bpurser	Q02869
Butylbenzylphthalate	BRL	µg/L	10	0.77	1	8270C	02/08/05 16:17	bpurser	Q02869
Chrysene	BRL	µg/L	10	0.97	1	8270C	02/08/05 16:17	bpurser	Q02869
Di-n-butylphthalate	BRL	µg/L	10	0.88	1	8270C	02/08/05 16:17	bpurser	Q02869
Di-n-octylphthalate	BRL	µg/L	10	2.0	1	8270C	02/08/05 16:17	bpurser	Q02869
Dibenzo(a,h)anthracene	BRL	µg/L	10	1.5	1	8270C	02/08/05 16:17	bpurser	Q02869
Dibenzofuran	BRL	µg/L	10	2.2	1	8270C	02/08/05 16:17	bpurser	Q02869
Diethylphthalate	BRL	µg/L	10	1.5	1	8270C	02/08/05 16:17	bpurser	Q02869
Dimethylphthalate	BRL	µg/L	10	2.1	1	8270C	02/08/05 16:17	bpurser	Q02869
Fluoranthene	BRL	µg/L	10	0.63	1	8270C	02/08/05 16:17	bpurser	Q02869
Fluorene	BRL	µg/L	10	2.4	1	8270C	02/08/05 16:17	bpurser	Q02869
Hexachlorobenzene	BRL	µg/L	10	1.1	1	8270C	02/08/05 16:17	bpurser	Q02869
Hexachlorobutadiene	BRL	µg/L	10	1.9	1	8270C	02/08/05 16:17	bpurser	Q02869
Hexachlorocyclopentadiene	BRL	µg/L	10	2.4	1	8270C	02/08/05 16:17	bpurser	Q02869
Hexachloroethane	BRL	µg/L	10	2.1	1	8270C	02/08/05 16:17	bpurser	Q02869
Indeno(1,2,3-cd)pyrene	BRL	µg/L	10	1.8	1	8270C	02/08/05 16:17	bpurser	Q02869



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-1  
Prism Sample ID: 110178  
COC Group: G0205104  
Time Collected: 02/02/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Isophorone	BRL	µg/L	10	3.1	1	8270C	02/08/05 16:17	bpurser	Q02869
N-Nitrosodi-n-propylamine	BRL	µg/L	10	2.8	1	8270C	02/08/05 16:17	bpurser	Q02869
N-Nitrosodiphenylamine	BRL	µg/L	10	1.5	1	8270C	02/08/05 16:17	bpurser	Q02869
Naphthalene	BRL	µg/L	10	1.9	1	8270C	02/08/05 16:17	bpurser	Q02869
Nitrobenzene	BRL	µg/L	10	2.4	1	8270C	02/08/05 16:17	bpurser	Q02869
Pentachlorophenol	BRL	µg/L	10	0.66	1	8270C	02/08/05 16:17	bpurser	Q02869
Phenanthrene	BRL	µg/L	10	0.59	1	8270C	02/08/05 16:17	bpurser	Q02869
Phenol	BRL	µg/L	10	3.9	1	8270C	02/08/05 16:17	bpurser	Q02869
Pyrene	BRL	µg/L	10	1.1	1	8270C	02/08/05 16:17	bpurser	Q02869
Sample Preparation:			980 mL /	1 mL		3510C	02/07/05 13:00	smanivanh	P11751

	Surrogate	% Recovery	Control Limits
	Terphenyl-d14	97	41 - 136
	Phenol-d5	20	10 - 78
	Nitrobenzene-d5	80	13 - 107
	2-Fluorophenol	31	10 - 75
	2-Fluorobiphenyl	84	27 - 107
	2,4,6-Tribromophenol	89	38 - 117

## Mercury by CVAA

Mercury	0.00014 J	mg/L	0.0002 0.000044	1	7470A	02/08/05 9:09	mstover	Q02889

20 mL / 30 mL 7470A 02/07/05 7:35 mstover P11754

## Metals by ICP

Antimony	0.0040 J	mg/L	0.010 0.0022	1	6010B	02/09/05 18:02	mcampbell	Q02951
Arsenic	BRL	mg/L	0.010 0.0044	1	6010B	02/09/05 18:02	mcampbell	Q02951
Beryllium	BRL	mg/L	0.0020 0.0002	1	6010B	02/09/05 18:02	mcampbell	Q02951
Cadmium	BRL	mg/L	0.0050 0.0002	1	6010B	02/10/05 17:14	mcampbell	Q02951
Chromium	BRL	mg/L	0.0050 0.0019	1	6010B	02/09/05 18:02	mcampbell	Q02951
Copper	0.0020 J	mg/L	0.010 0.0017	1	6010B	02/09/05 18:02	mcampbell	Q02951



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-1  
Prism Sample ID: 110178  
COC Group: G0205104  
Time Collected: 02/02/05 9:15  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Lead	0.0016 J	mg/L	0.0050	0.0014	1	6010B	02/09/05 18:02	mcampbell	Q02951
Nickel	0.027	mg/L	0.010	0.0022	1	6010B	02/09/05 18:02	mcampbell	Q02951
Selenium	BRL	mg/L	0.020	0.012	1	6010B	02/09/05 18:02	mcampbell	Q02951
Silver	BRL	mg/L	0.0050	0.0005	1	6010B	02/10/05 17:14	mcampbell	Q02951
Thallium	BRL	mg/L	0.010	0.0043	1	6010B	02/09/05 18:02	mcampbell	Q02951
Zinc	0.022	mg/L	0.010	0.0020	1	6010B	02/09/05 18:02	mcampbell	Q02951
Sample Preparation:				50 mL / 50 mL		3010A	02/08/05 7:20	cnguyen	P11748

Sample Comment(s):

All results are reported on a wet-weight basis

BRL = Below Reporting Limit

J = Estimated value between the Reporting Limit and the MDL

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

Angela D. Overcash, V.P. Laboratory Services



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-2  
Prism Sample ID: 110179  
COC Group: G0205104  
Time Collected: 02/02/05 10:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/L	1.0	0.40	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,1,1-Trichloroethane	BRL	µg/L	1.0	0.45	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,1,2,2-Tetrachloroethane	BRL	µg/L	1.0	0.30	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,1,2-Trichloroethane	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,1-Dichloroethane	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,1-Dichloroethene	BRL	µg/L	1.0	0.43	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,1-Dichloropropene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,2,3-Trichlorobenzene	BRL	µg/L	2.0	0.57	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,2,3-Trichloropropane	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,2,4-Trichlorobenzene	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,2,4-Trimethylbenzene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,2-Dibromo-3-chloropropane	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,2-Dibromoethane (EDB)	BRL	µg/L	1.0	0.46	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,2-Dichlorobenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,2-Dichloroethane	BRL	µg/L	1.0	0.36	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,2-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,3,5-Trimethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,3-Dichlorobenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,3-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 11:48	kcampigotto	Q02878
1,4-Dichlorobenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 11:48	kcampigotto	Q02878
2,2-Dichloropropane	BRL	µg/L	2.0	0.73	1	8260B	02/09/05 11:48	kcampigotto	Q02878
2-Chloroethyl vinyl ether	BRL	µg/L	2.0	0.43	1	8260B	02/09/05 11:48	kcampigotto	Q02878
2-Chlorotoluene	BRL	µg/L	1.0	0.19	1	8260B	02/09/05 11:48	kcampigotto	Q02878
2-Hexanone	BRL	µg/L	5.0	0.38	1	8260B	02/09/05 11:48	kcampigotto	Q02878
4-Chlorotoluene	BRL	µg/L	1.0	0.18	1	8260B	02/09/05 11:48	kcampigotto	Q02878
4-Methyl-2-pentanone (MIBK)	BRL	µg/L	5.0	0.32	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Acetone	BRL	µg/L	10	2.5	1	8260B	02/09/05 11:48	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-2  
Prism Sample ID: 110179  
COC Group: G0205104  
Time Collected: 02/02/05 10:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Acrolein	BRL	µg/L	100	4.5	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Acrylonitrile	BRL	µg/L	100	0.65	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Benzene	BRL	µg/L	1.0	0.14	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Bromobenzene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Bromoform	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Bromodichloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Bromoform	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Bromomethane	BRL	µg/L	3.0	1.1	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Carbon disulfide	BRL	µg/L	5.0	0.71	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Carbon tetrachloride	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Chlorobenzene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Chlorodibromomethane	BRL	µg/L	1.0	0.10	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Chloroethane	BRL	µg/L	5.0	1.6	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Chloroform	1.3	µg/L	1.0	0.35	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Chloromethane	BRL	µg/L	2.0	0.47	1	8260B	02/09/05 11:48	kcampigotto	Q02878
cis-1,2-Dichloroethene	BRL	µg/L	1.0	0.47	1	8260B	02/09/05 11:48	kcampigotto	Q02878
cis-1,3-Dichloropropene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Dibromomethane	BRL	µg/L	1.0	0.34	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Dichlorodifluoromethane	BRL	µg/L	2.0	0.26	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Ethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Hexachlorobutadiene	BRL	µg/L	2.0	0.69	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Isopropyl ether (IPE)	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Isopropylbenzene	BRL	µg/L	1.0	0.25	1	8260B	02/09/05 11:48	kcampigotto	Q02878
m,p-Xylenes	BRL	µg/L	2.0	0.51	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Methyl ethyl ketone (MEK)	BRL	µg/L	5.0	0.81	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Methyl t-butyl ether (MTBE)	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Methylene chloride	BRL	µg/L	2.0	0.61	1	8260B	02/09/05 11:48	kcampigotto	Q02878
n-Butylbenzene	BRL	µg/L	1.0	0.33	1	8260B	02/09/05 11:48	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-2  
Prism Sample ID: 110179  
COC Group: G0205104  
Time Collected: 02/02/05 10:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
n-Propylbenzene	BRL	µg/L	1.0	0.21	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Naphthalene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 11:48	kcampigotto	Q02878
o-Xylene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 11:48	kcampigotto	Q02878
p-Isopropyltoluene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 11:48	kcampigotto	Q02878
sec-Butylbenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Styrene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 11:48	kcampigotto	Q02878
tert-Butylbenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Tetrachloroethene	BRL	µg/L	1.0	0.49	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Toluene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 11:48	kcampigotto	Q02878
trans-1,2-Dichloroethene	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 11:48	kcampigotto	Q02878
trans-1,3-Dichloropropene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Trichloroethene	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Trichlorofluoromethane	BRL	µg/L	2.0	0.65	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Vinyl acetate	BRL	µg/L	20	10	1	8260B	02/09/05 11:48	kcampigotto	Q02878
Vinyl chloride	BRL	µg/L	2.0	0.60	1	8260B	02/09/05 11:48	kcampigotto	Q02878

Surrogate	% Recovery	Control Limits
Toluene-d8	99	75 - 121
Dibromofluoromethane	103	74 - 133
Bromofluorobenzene	96	69 - 139



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

## Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-2  
Prism Sample ID: 110179  
COC Group: G0205104  
Time Collected: 02/02/05 10:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Comment(s):

*All results are reported on a wet-weight basis*

*BRL = Below Reporting Limit*

*J = Estimated value between the Reporting Limit and the MDL*

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

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Angela D. Overcash, V.P. Laboratory Services



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-3  
Prism Sample ID: 110180  
COC Group: G0205104  
Time Collected: 02/02/05 10:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/L	1.0	0.40	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,1,1-Trichloroethane	BRL	µg/L	1.0	0.45	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,1,2,2-Tetrachloroethane	BRL	µg/L	1.0	0.30	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,1,2-Trichloroethane	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,1-Dichloroethane	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,1-Dichloroethene	BRL	µg/L	1.0	0.43	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,1-Dichloropropene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,2,3-Trichlorobenzene	BRL	µg/L	2.0	0.57	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,2,3-Trichloropropane	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,2,4-Trichlorobenzene	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,2,4-Trimethylbenzene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,2-Dibromo-3-chloropropane	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,2-Dibromoethane (EDB)	BRL	µg/L	1.0	0.46	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,2-Dichlorobenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,2-Dichloroethane	BRL	µg/L	1.0	0.36	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,2-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,3,5-Trimethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,3-Dichlorobenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,3-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 12:26	kcampigotto	Q02878
1,4-Dichlorobenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 12:26	kcampigotto	Q02878
2,2-Dichloropropane	BRL	µg/L	2.0	0.73	1	8260B	02/09/05 12:26	kcampigotto	Q02878
2-Chloroethyl vinyl ether	BRL	µg/L	2.0	0.43	1	8260B	02/09/05 12:26	kcampigotto	Q02878
2-Chlorotoluene	BRL	µg/L	1.0	0.19	1	8260B	02/09/05 12:26	kcampigotto	Q02878
2-Hexanone	BRL	µg/L	5.0	0.38	1	8260B	02/09/05 12:26	kcampigotto	Q02878
4-Chlorotoluene	BRL	µg/L	1.0	0.18	1	8260B	02/09/05 12:26	kcampigotto	Q02878
4-Methyl-2-pentanone (MIBK)	BRL	µg/L	5.0	0.32	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Acetone	BRL	µg/L	10	2.5	1	8260B	02/09/05 12:26	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-3  
Prism Sample ID: 110180  
COC Group: G0205104  
Time Collected: 02/02/05 10:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Acrolein	BRL	µg/L	100	4.5	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Acrylonitrile	BRL	µg/L	100	0.65	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Benzene	BRL	µg/L	1.0	0.14	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Bromobenzene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Bromochloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Bromodichloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Bromoform	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Bromomethane	BRL	µg/L	3.0	1.1	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Carbon disulfide	BRL	µg/L	5.0	0.71	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Carbon tetrachloride	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Chlorobenzene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Chlorodibromomethane	BRL	µg/L	1.0	0.10	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Chloroethane	BRL	µg/L	5.0	1.6	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Chloroform	BRL	µg/L	1.0	0.35	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Chloromethane	BRL	µg/L	2.0	0.47	1	8260B	02/09/05 12:26	kcampigotto	Q02878
cis-1,2-Dichloroethylene	BRL	µg/L	1.0	0.47	1	8260B	02/09/05 12:26	kcampigotto	Q02878
cis-1,3-Dichloropropene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Dibromomethane	BRL	µg/L	1.0	0.34	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Dichlorodifluoromethane	BRL	µg/L	2.0	0.26	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Ethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Hexachlorobutadiene	BRL	µg/L	2.0	0.69	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Isopropyl ether (IPE)	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Isopropylbenzene	BRL	µg/L	1.0	0.25	1	8260B	02/09/05 12:26	kcampigotto	Q02878
m,p-Xylenes	BRL	µg/L	2.0	0.51	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Methyl ethyl ketone (MEK)	BRL	µg/L	5.0	0.81	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Methyl t-butyl ether (MTBE)	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Methylene chloride	BRL	µg/L	2.0	0.61	1	8260B	02/09/05 12:26	kcampigotto	Q02878
n-Butylbenzene	BRL	µg/L	1.0	0.33	1	8260B	02/09/05 12:26	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-3  
Prism Sample ID: 110180  
COC Group: G0205104  
Time Collected: 02/02/05 10:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
n-Propylbenzene	BRL	µg/L	1.0	0.21	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Naphthalene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 12:26	kcampigotto	Q02878
o-Xylene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 12:26	kcampigotto	Q02878
p-Isopropyltoluene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 12:26	kcampigotto	Q02878
sec-Butylbenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Styrene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 12:26	kcampigotto	Q02878
tert-Butylbenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Tetrachloroethene	BRL	µg/L	1.0	0.49	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Toluene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 12:26	kcampigotto	Q02878
trans-1,2-Dichloroethene	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 12:26	kcampigotto	Q02878
trans-1,3-Dichloropropene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Trichloroethene	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Trichlorofluoromethane	BRL	µg/L	2.0	0.65	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Vinyl acetate	BRL	µg/L	20	10	1	8260B	02/09/05 12:26	kcampigotto	Q02878
Vinyl chloride	BRL	µg/L	2.0	0.60	1	8260B	02/09/05 12:26	kcampigotto	Q02878

Surrogate	% Recovery	Control Limits
Toluene-d8	106	75 - 121
Dibromofluoromethane	110	74 - 133
Bromofluorobenzene	105	69 - 139



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-3  
Prism Sample ID: 110180  
COC Group: G0205104  
Time Collected: 02/02/05 10:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Comment(s):

*All results are reported on a wet-weight basis*

*BRL = Below Reporting Limit*

*J = Estimated value between the Reporting Limit and the MDL*

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

Angela D. Overcash, V.P. Laboratory Services



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-4  
Prism Sample ID: 110181  
COC Group: G0205104  
Time Collected: 02/02/05 11:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Organochlorine Pesticides and PCBs by GC/ECD

4,4'-DDD	BRL	µg/L	0.050	0.027	1	8081A	02/10/05 2:50	jvogel	Q02975
4,4'-DDE	BRL	µg/L	0.050	0.012	1	8081A	02/10/05 2:50	jvogel	Q02975
4,4'-DDT	BRL	µg/L	0.050	0.036	1	8081A	02/10/05 2:50	jvogel	Q02975
4,4'-Methoxychlor	BRL	µg/L	0.050	0.045	1	8081A	02/10/05 2:50	jvogel	Q02975
a-BHC	BRL	µg/L	0.050	0.010	1	8081A	02/10/05 2:50	jvogel	Q02975
a-Chlordane	BRL	µg/L	0.050	0.014	1	8081A	02/10/05 2:50	jvogel	Q02975
Aldrin	BRL	µg/L	0.050	0.018	1	8081A	02/10/05 2:50	jvogel	Q02975
b-BHC	BRL	µg/L	0.050	0.021	1	8081A	02/10/05 2:50	jvogel	Q02975
Chlordane	BRL	µg/L	0.50	0.10	1	8081A	02/10/05 2:50	jvogel	Q02975
d-BHC	BRL	µg/L	0.050	0.015	1	8081A	02/10/05 2:50	jvogel	Q02975
Dieldrin	BRL	µg/L	0.050	0.013	1	8081A	02/10/05 2:50	jvogel	Q02975
Endosulfan I	BRL	µg/L	0.050	0.010	1	8081A	02/10/05 2:50	jvogel	Q02975
Endosulfan II	BRL	µg/L	0.050	0.019	1	8081A	02/10/05 2:50	jvogel	Q02975
Endosulfan Sulfate	BRL	µg/L	0.050	0.024	1	8081A	02/10/05 2:50	jvogel	Q02975
Endrin	BRL	µg/L	0.050	0.027	1	8081A	02/10/05 2:50	jvogel	Q02975
Endrin Aldehyde	BRL	µg/L	0.050	0.014	1	8081A	02/10/05 2:50	jvogel	Q02975
Endrin Ketone	BRL	µg/L	0.050	0.018	1	8081A	02/10/05 2:50	jvogel	Q02975
g-BHC	BRL	µg/L	0.050	0.021	1	8081A	02/10/05 2:50	jvogel	Q02975
g-Chlordane	BRL	µg/L	0.050	0.013	1	8081A	02/10/05 2:50	jvogel	Q02975
Heptachlor	BRL	µg/L	0.050	0.022	1	8081A	02/10/05 2:50	jvogel	Q02975
Heptachlor Epoxide	BRL	µg/L	0.050	0.018	1	8081A	02/10/05 2:50	jvogel	Q02975
Toxaphene	BRL	µg/L	0.50	0.23	1	8081A	02/10/05 2:50	jvogel	Q02975

Sample Preparation: 990 mL / 10 mL 3510C 02/08/05 9:00 smanivanh P11764

Surrogate	% Recovery	Control Limits
Tetrachloro-m-xylene (TCMX)	88	40 - 134
Decachlorobiphenyl (DCB)	62	13 - 186



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Water

Client Sample ID: GHM MW-4

Prism Sample ID: 110181

COC Group: G0205104

Time Collected: 02/02/05 11:00

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Polychlorinated Biphenyls (PCBs) by GC-ECD

PCB-1016	BRL	µg/L	0.50	0.17	1	8082	02/10/05 2:50	jvogel	Q02981
PCB-1221	BRL	µg/L	1.0	0.33	1	8082	02/10/05 2:50	jvogel	Q02981
PCB-1232	BRL	µg/L	0.50	0.25	1	8082	02/10/05 2:50	jvogel	Q02981
PCB-1242	BRL	µg/L	1.0	0.36	1	8082	02/10/05 2:50	jvogel	Q02981
PCB-1248	BRL	µg/L	0.50	0.25	1	8082	02/10/05 2:50	jvogel	Q02981
PCB-1254	BRL	µg/L	0.50	0.25	1	8082	02/10/05 2:50	jvogel	Q02981
PCB-1260	BRL	µg/L	0.50	0.26	1	8082	02/10/05 2:50	jvogel	Q02981

One surrogate recovery was below the control limits. Matrix interference is suspected.

Sample Preparation: 990 mL / 10 mL 3510C 02/08/05 9:00 smanivah P11764

Surrogate	% Recovery	Control Limits
Tetrachloro-m-xylene (TCMX)	70	30 - 161
Decachlorobiphenyl (DCB)	31 #	32 - 178

### Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/L	1.0	0.40	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,1,1-Trichloroethane	BRL	µg/L	1.0	0.45	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,1,2,2-Tetrachloroethane	BRL	µg/L	1.0	0.30	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,1,2-Trichloroethane	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,1-Dichloroethane	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,1-Dichloroethene	BRL	µg/L	1.0	0.43	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,1-Dichloropropene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,2,3-Trichlorobenzene	BRL	µg/L	2.0	0.57	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,2,3-Trichloropropane	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,2,4-Trichlorobenzene	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,2,4-Trimethylbenzene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,2-Dibromo-3-chloropropane	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,2-Dibromoethane (EDB)	BRL	µg/L	1.0	0.46	1	8260B	02/09/05 13:03	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-4  
Prism Sample ID: 110181  
COC Group: G0205104  
Time Collected: 02/02/05 11:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,2-Dichloroethane	BRL	µg/L	1.0	0.36	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,2-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,3,5-Trimethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,3-Dichlorobenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,3-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 13:03	kcampigotto	Q02878
1,4-Dichlorobenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 13:03	kcampigotto	Q02878
2,2-Dichloropropane	BRL	µg/L	2.0	0.73	1	8260B	02/09/05 13:03	kcampigotto	Q02878
2-Chloroethyl vinyl ether	BRL	µg/L	2.0	0.43	1	8260B	02/09/05 13:03	kcampigotto	Q02878
2-Chlorotoluene	BRL	µg/L	1.0	0.19	1	8260B	02/09/05 13:03	kcampigotto	Q02878
2-Hexanone	BRL	µg/L	5.0	0.38	1	8260B	02/09/05 13:03	kcampigotto	Q02878
4-Chlorotoluene	BRL	µg/L	1.0	0.18	1	8260B	02/09/05 13:03	kcampigotto	Q02878
4-Methyl-2-pentanone (MIBK)	BRL	µg/L	5.0	0.32	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Acetone	BRL	µg/L	10	2.5	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Acrolein	BRL	µg/L	100	4.5	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Acrylonitrile	BRL	µg/L	100	0.65	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Benzene	BRL	µg/L	1.0	0.14	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Bromobenzene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Bromochloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Bromodichloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Bromoform	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Bromomethane	BRL	µg/L	3.0	1.1	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Carbon disulfide	BRL	µg/L	5.0	0.71	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Carbon tetrachloride	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Chlorobenzene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Chlorodibromomethane	BRL	µg/L	1.0	0.10	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Chloroethane	BRL	µg/L	5.0	1.6	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Chloroform	BRL	µg/L	1.0	0.35	1	8260B	02/09/05 13:03	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-4  
Prism Sample ID: 110181  
COC Group: G0205104  
Time Collected: 02/02/05 11:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	µg/L	2.0	0.47	1	8260B	02/09/05 13:03	kcampigotto	Q02878
cis-1,2-Dichloroethene	BRL	µg/L	1.0	0.47	1	8260B	02/09/05 13:03	kcampigotto	Q02878
cis-1,3-Dichloropropene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Dibromomethane	BRL	µg/L	1.0	0.34	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Dichlorodifluoromethane	BRL	µg/L	2.0	0.26	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Ethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Hexachlorobutadiene	BRL	µg/L	2.0	0.69	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Isopropyl ether (IPE)	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Isopropylbenzene	BRL	µg/L	1.0	0.25	1	8260B	02/09/05 13:03	kcampigotto	Q02878
m,p-Xylenes	BRL	µg/L	2.0	0.51	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Methyl ethyl ketone (MEK)	BRL	µg/L	5.0	0.81	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Methyl t-butyl ether (MTBE)	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Methylene chloride	BRL	µg/L	2.0	0.61	1	8260B	02/09/05 13:03	kcampigotto	Q02878
n-Butylbenzene	BRL	µg/L	1.0	0.33	1	8260B	02/09/05 13:03	kcampigotto	Q02878
n-Propylbenzene	BRL	µg/L	1.0	0.21	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Naphthalene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 13:03	kcampigotto	Q02878
o-Xylene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 13:03	kcampigotto	Q02878
p-Isopropyltoluene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 13:03	kcampigotto	Q02878
sec-Butylbenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Styrene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 13:03	kcampigotto	Q02878
tert-Butylbenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Tetrachloroethene	53	µg/L	1.0	0.49	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Toluene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 13:03	kcampigotto	Q02878
trans-1,2-Dichloroethene	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 13:03	kcampigotto	Q02878
trans-1,3-Dichloropropene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Trichloroethene	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Trichlorofluoromethane	BRL	µg/L	2.0	0.65	1	8260B	02/09/05 13:03	kcampigotto	Q02878
Vinyl acetate	BRL	µg/L	20	10	1	8260B	02/09/05 13:03	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water  
Client Sample ID: GHM MW-4  
Prism Sample ID: 110181  
COC Group: G0205104  
Time Collected: 02/02/05 11:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Vinyl chloride BRL µg/L 2.0 0.60 1 8260B 02/09/05 13:03 kcampigotto Q02878

Surrogate	% Recovery	Control Limits
Toluene-d8	103	75 - 121
Dibromofluoromethane	106	74 - 133
Bromofluorobenzene	103	69 - 139

## Semi-volatile Organics by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/L	10	3.1	1	8270C	02/08/05 15:29	bpurser	Q02869
1,2-Dichlorobenzene	BRL	µg/L	10	2.1	1	8270C	02/08/05 15:29	bpurser	Q02869
1,3-Dichlorobenzene	BRL	µg/L	10	2.4	1	8270C	02/08/05 15:29	bpurser	Q02869
1,4-Dichlorobenzene	BRL	µg/L	10	2.2	1	8270C	02/08/05 15:29	bpurser	Q02869
2,4,5-Trichlorophenol	BRL	µg/L	10	2.6	1	8270C	02/08/05 15:29	bpurser	Q02869
2,4,6-Trichlorophenol	BRL	µg/L	10	2.5	1	8270C	02/08/05 15:29	bpurser	Q02869
2,4-Dichlorophenol	BRL	µg/L	10	2.4	1	8270C	02/08/05 15:29	bpurser	Q02869
2,4-Dimethylphenol	BRL	µg/L	10	2.9	1	8270C	02/08/05 15:29	bpurser	Q02869
2,4-Dinitrophenol	BRL	µg/L	10	2.2	1	8270C	02/08/05 15:29	bpurser	Q02869
2,4-Dinitrotoluene	BRL	µg/L	10	1.3	1	8270C	02/08/05 15:29	bpurser	Q02869
2,6-Dinitrotoluene	BRL	µg/L	10	1.3	1	8270C	02/08/05 15:29	bpurser	Q02869
2-Chloronaphthalene	BRL	µg/L	10	2.2	1	8270C	02/08/05 15:29	bpurser	Q02869
2-Chlorophenol	BRL	µg/L	10	2.4	1	8270C	02/08/05 15:29	bpurser	Q02869
2-Methylnaphthalene	BRL	µg/L	10	1.8	1	8270C	02/08/05 15:29	bpurser	Q02869
2-Methylphenol	BRL	µg/L	10	2.8	1	8270C	02/08/05 15:29	bpurser	Q02869
2-Nitrophenol	BRL	µg/L	10	3.1	1	8270C	02/08/05 15:29	bpurser	Q02869
3&4-Methylphenol	BRL	µg/L	10	3.7	1	8270C	02/08/05 15:29	bpurser	Q02869
3,3'-Dichlorobenzidine	BRL	µg/L	10	2.5	1	8270C	02/08/05 15:29	bpurser	Q02869
4,6-Dinitro-2-methylphenol	BRL	µg/L	10	1.2	1	8270C	02/08/05 15:29	bpurser	Q02869
4-Bromophenylphenylether	BRL	µg/L	10	1.5	1	8270C	02/08/05 15:29	bpurser	Q02869
4-Chloro-3-methylphenol	BRL	µg/L	10	1.8	1	8270C	02/08/05 15:29	bpurser	Q02869



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Water

Client Sample ID: GHM MW-4

Prism Sample ID: 110181

COC Group: G0205104

Time Collected: 02/02/05 11:00

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorophenylphenylether	BRL	µg/L	10	1.9	1	8270C	02/08/05 15:29	bpurser	Q02869
4-Nitrophenol	BRL	µg/L	10	0.56	1	8270C	02/08/05 15:29	bpurser	Q02869
Acenaphthene	BRL	µg/L	10	2.2	1	8270C	02/08/05 15:29	bpurser	Q02869
Acenaphthylene	BRL	µg/L	10	2.0	1	8270C	02/08/05 15:29	bpurser	Q02869
Anthracene	BRL	µg/L	10	0.78	1	8270C	02/08/05 15:29	bpurser	Q02869
Benzo(a)anthracene	BRL	µg/L	10	1.2	1	8270C	02/08/05 15:29	bpurser	Q02869
Benzo(a)pyrene	BRL	µg/L	10	0.93	1	8270C	02/08/05 15:29	bpurser	Q02869
Benzo(b)fluoranthene	BRL	µg/L	10	1.1	1	8270C	02/08/05 15:29	bpurser	Q02869
Benzo(g,h,i)perylene	BRL	µg/L	10	1.3	1	8270C	02/08/05 15:29	bpurser	Q02869
Benzo(k)fluoranthene	BRL	µg/L	10	1.1	1	8270C	02/08/05 15:29	bpurser	Q02869
Bis(2-chloroethoxy)methane	BRL	µg/L	10	2.3	1	8270C	02/08/05 15:29	bpurser	Q02869
Bis(2-chloroethyl)ether	BRL	µg/L	10	2.8	1	8270C	02/08/05 15:29	bpurser	Q02869
Bis(2-chloroisopropyl)ether	BRL	µg/L	10	2.8	1	8270C	02/08/05 15:29	bpurser	Q02869
Bis(2-ethylhexyl)phthalate	BRL	µg/L	10	1.2	1	8270C	02/08/05 15:29	bpurser	Q02869
Butylbenzylphthalate	BRL	µg/L	10	0.76	1	8270C	02/08/05 15:29	bpurser	Q02869
Chrysene	BRL	µg/L	10	0.96	1	8270C	02/08/05 15:29	bpurser	Q02869
Di-n-butylphthalate	BRL	µg/L	10	0.87	1	8270C	02/08/05 15:29	bpurser	Q02869
Di-n-octylphthalate	BRL	µg/L	10	2.0	1	8270C	02/08/05 15:29	bpurser	Q02869
Dibenzo(a,h)anthracene	BRL	µg/L	10	1.5	1	8270C	02/08/05 15:29	bpurser	Q02869
Dibenzofuran	BRL	µg/L	10	2.2	1	8270C	02/08/05 15:29	bpurser	Q02869
Diethylphthalate	BRL	µg/L	10	1.5	1	8270C	02/08/05 15:29	bpurser	Q02869
Dimethylphthalate	BRL	µg/L	10	2.1	1	8270C	02/08/05 15:29	bpurser	Q02869
Fluoranthene	BRL	µg/L	10	0.63	1	8270C	02/08/05 15:29	bpurser	Q02869
Fluorene	BRL	µg/L	10	2.4	1	8270C	02/08/05 15:29	bpurser	Q02869
Hexachlorobenzene	BRL	µg/L	10	1.1	1	8270C	02/08/05 15:29	bpurser	Q02869
Hexachlorobutadiene	BRL	µg/L	10	1.9	1	8270C	02/08/05 15:29	bpurser	Q02869
Hexachlorocyclopentadiene	BRL	µg/L	10	2.4	1	8270C	02/08/05 15:29	bpurser	Q02869
Hexachloroethane	BRL	µg/L	10	2.1	1	8270C	02/08/05 15:29	bpurser	Q02869



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-4  
Prism Sample ID: 110181  
COC Group: G0205104  
Time Collected: 02/02/05 11:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Indeno(1,2,3-cd)pyrene	BRL	µg/L	10	1.8	1	8270C	02/08/05 15:29	bpurser	Q02869
Isophorone	BRL	µg/L	10	3.0	1	8270C	02/08/05 15:29	bpurser	Q02869
N-Nitrosodi-n-propylamine	BRL	µg/L	10	2.7	1	8270C	02/08/05 15:29	bpurser	Q02869
N-Nitrosodiphenylamine	BRL	µg/L	10	1.5	1	8270C	02/08/05 15:29	bpurser	Q02869
Naphthalene	BRL	µg/L	10	1.9	1	8270C	02/08/05 15:29	bpurser	Q02869
Nitrobenzene	BRL	µg/L	10	2.4	1	8270C	02/08/05 15:29	bpurser	Q02869
Pentachlorophenol	BRL	µg/L	10	0.66	1	8270C	02/08/05 15:29	bpurser	Q02869
Phenanthrene	BRL	µg/L	10	0.59	1	8270C	02/08/05 15:29	bpurser	Q02869
Phenol	BRL	µg/L	10	3.8	1	8270C	02/08/05 15:29	bpurser	Q02869
Pyrene	BRL	µg/L	10	1.1	1	8270C	02/08/05 15:29	bpurser	Q02869
Sample Preparation:			990 mL /	1 mL		3510C	02/07/05 13:00	smanivah	P11751

Surrogate	% Recovery	Control Limits
Terphenyl-d14	104	41 - 136
Phenol-d5	21	10 - 78
Nitrobenzene-d5	76	13 - 107
2-Fluorophenol	32	10 - 75
2-Fluorobiphenyl	82	27 - 107
2,4,6-Tribromophenol	79	38 - 117

## Mercury by CVAA

Mercury	0.00012 J	mg/L	0.0002	0.000044	1	7470A	02/08/05 8:58	mstover	Q02889
Sample Preparation:			20 mL /	30 mL		7470A	02/07/05 7:35	mstover	P11754

## Metals by ICP

Antimony	0.0037 J	mg/L	0.010	0.0022	1	6010B	02/09/05 18:27	mcampbell	Q02951
Arsenic	BRL	mg/L	0.010	0.0044	1	6010B	02/09/05 18:27	mcampbell	Q02951
Beryllium	BRL	mg/L	0.0020	0.0002	1	6010B	02/09/05 18:27	mcampbell	Q02951
Cadmium	BRL	mg/L	0.0050	0.0002	1	6010B	02/10/05 16:38	mcampbell	Q02951
Chromium	BRL	mg/L	0.0050	0.0019	1	6010B	02/09/05 18:27	mcampbell	Q02951



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-4  
Prism Sample ID: 110181  
COC Group: G0205104  
Time Collected: 02/02/05 11:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Copper	BRL	mg/L	0.010	0.0017	1	6010B	02/09/05 18:27	mcampbell	Q02951
Lead	BRL	mg/L	0.0050	0.0014	1	6010B	02/09/05 18:27	mcampbell	Q02951
Nickel	0.15	mg/L	0.010	0.0022	1	6010B	02/09/05 18:27	mcampbell	Q02951
Selenium	BRL	mg/L	0.020	0.012	1	6010B	02/09/05 18:27	mcampbell	Q02951
Silver	BRL	mg/L	0.0050	0.0005	1	6010B	02/10/05 16:38	mcampbell	Q02951
Thallium	BRL	mg/L	0.010	0.0043	1	6010B	02/09/05 18:27	mcampbell	Q02951
Zinc	0.027	mg/L	0.010	0.0020	1	6010B	02/09/05 18:27	mcampbell	Q02951
Sample Preparation:				50 mL / 50 mL		3010A	02/08/05 7:20	cnguyen	P11748

Sample Comment(s):

All results are reported on a wet-weight basis

BRL = Below Reporting Limit

J = Estimated value between the Reporting Limit and the MDL

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

Angela D. Overcash, V.P. Laboratory Services



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-5  
Prism Sample ID: 110182  
COC Group: G0205104  
Time Collected: 02/02/05 11:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/L	1.0	0.40	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,1,1-Trichloroethane	BRL	µg/L	1.0	0.45	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,1,2,2-Tetrachloroethane	BRL	µg/L	1.0	0.30	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,1,2-Trichloroethane	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,1-Dichloroethane	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,1-Dichloroethene	BRL	µg/L	1.0	0.43	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,1-Dichloropropene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,2,3-Trichlorobenzene	BRL	µg/L	2.0	0.57	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,2,3-Trichloropropane	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,2,4-Trichlorobenzene	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,2,4-Trimethylbenzene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,2-Dibromo-3-chloropropane	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,2-Dibromoethane (EDB)	BRL	µg/L	1.0	0.46	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,2-Dichlorobenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,2-Dichloroethane	BRL	µg/L	1.0	0.36	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,2-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,3,5-Trimethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,3-Dichlorobenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,3-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 13:41	kcampigotto	Q02878
1,4-Dichlorobenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 13:41	kcampigotto	Q02878
2,2-Dichloropropane	BRL	µg/L	2.0	0.73	1	8260B	02/09/05 13:41	kcampigotto	Q02878
2-Chloroethyl vinyl ether	BRL	µg/L	2.0	0.43	1	8260B	02/09/05 13:41	kcampigotto	Q02878
2-Chlorotoluene	BRL	µg/L	1.0	0.19	1	8260B	02/09/05 13:41	kcampigotto	Q02878
2-Hexanone	BRL	µg/L	5.0	0.38	1	8260B	02/09/05 13:41	kcampigotto	Q02878
4-Chlorotoluene	BRL	µg/L	1.0	0.18	1	8260B	02/09/05 13:41	kcampigotto	Q02878
4-Methyl-2-pentanone (MIBK)	BRL	µg/L	5.0	0.32	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Acetone	BRL	µg/L	10	2.5	1	8260B	02/09/05 13:41	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Water

Client Sample ID: GHM MW-5

Prism Sample ID: 110182

COC Group: G0205104

Time Collected: 02/02/05 11:30

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Acrolein	BRL	µg/L	100	4.5	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Acrylonitrile	BRL	µg/L	100	0.65	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Benzene	BRL	µg/L	1.0	0.14	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Bromobenzene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Bromochloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Bromodichloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Bromoform	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Bromomethane	BRL	µg/L	3.0	1.1	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Carbon disulfide	BRL	µg/L	5.0	0.71	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Carbon tetrachloride	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Chlorobenzene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Chlorodibromomethane	BRL	µg/L	1.0	0.10	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Chloroethane	BRL	µg/L	5.0	1.6	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Chloroform	3.6	µg/L	1.0	0.35	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Chloromethane	BRL	µg/L	2.0	0.47	1	8260B	02/09/05 13:41	kcampigotto	Q02878
cis-1,2-Dichloroethene	BRL	µg/L	1.0	0.47	1	8260B	02/09/05 13:41	kcampigotto	Q02878
cis-1,3-Dichloropropene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Dibromomethane	BRL	µg/L	1.0	0.34	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Dichlorodifluoromethane	BRL	µg/L	2.0	0.26	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Ethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Hexachlorobutadiene	BRL	µg/L	2.0	0.69	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Isopropyl ether (IPE)	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Isopropylbenzene	BRL	µg/L	1.0	0.25	1	8260B	02/09/05 13:41	kcampigotto	Q02878
m,p-Xylenes	BRL	µg/L	2.0	0.51	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Methyl ethyl ketone (MEK)	BRL	µg/L	5.0	0.81	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Methyl t-butyl ether (MTBE)	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Methylene chloride	BRL	µg/L	2.0	0.61	1	8260B	02/09/05 13:41	kcampigotto	Q02878
n-Butylbenzene	BRL	µg/L	1.0	0.33	1	8260B	02/09/05 13:41	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill  
Sample Matrix: Water  
Client Sample ID: GHM MW-5  
Prism Sample ID: 110182  
COC Group: G0205104  
Time Collected: 02/02/05 11:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
n-Propylbenzene	BRL	µg/L	1.0	0.21	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Naphthalene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 13:41	kcampigotto	Q02878
o-Xylene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 13:41	kcampigotto	Q02878
p-Isopropyltoluene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 13:41	kcampigotto	Q02878
sec-Butylbenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Styrene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 13:41	kcampigotto	Q02878
tert-Butylbenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Tetrachloroethene	BRL	µg/L	1.0	0.49	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Toluene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 13:41	kcampigotto	Q02878
trans-1,2-Dichloroethene	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 13:41	kcampigotto	Q02878
trans-1,3-Dichloropropene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Trichloroethene	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Trichlorofluoromethane	BRL	µg/L	2.0	0.65	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Vinyl acetate	BRL	µg/L	20	10	1	8260B	02/09/05 13:41	kcampigotto	Q02878
Vinyl chloride	BRL	µg/L	2.0	0.60	1	8260B	02/09/05 13:41	kcampigotto	Q02878

Surrogate	% Recovery	Control Limits
Toluene-d8	102	75 - 121
Dibromofluoromethane	104	74 - 133
Bromofluorobenzene	99	69 - 139



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-5  
Prism Sample ID: 110182  
COC Group: G0205104  
Time Collected: 02/02/05 11:30  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Comment(s):

*All results are reported on a wet-weight basis*

*BRL = Below Reporting Limit*

*J = Estimated value between the Reporting Limit and the MDL*

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

Angela D. Overcash, V.P. Laboratory Services



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill  
Sample Matrix: Water  
Client Sample ID: GHM MW-6  
Prism Sample ID: 110183  
COC Group: G0205104  
Time Collected: 02/02/05 12:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Organochlorine Pesticides and PCBs by GC/ECD

4,4'-DDD	BRL	µg/L	0.050	0.027	1	8081A	02/10/05 3:36	jvogel	Q02975
4,4'-DDE	BRL	µg/L	0.050	0.012	1	8081A	02/10/05 3:36	jvogel	Q02975
4,4'-DDT	BRL	µg/L	0.050	0.036	1	8081A	02/10/05 3:36	jvogel	Q02975
4,4'-Methoxychlor	BRL	µg/L	0.050	0.045	1	8081A	02/10/05 3:36	jvogel	Q02975
a-BHC	BRL	µg/L	0.050	0.010	1	8081A	02/10/05 3:36	jvogel	Q02975
a-Chlordane	BRL	µg/L	0.050	0.014	1	8081A	02/10/05 3:36	jvogel	Q02975
Aldrin	BRL	µg/L	0.050	0.018	1	8081A	02/10/05 3:36	jvogel	Q02975
b-BHC	BRL	µg/L	0.050	0.021	1	8081A	02/10/05 3:36	jvogel	Q02975
Chlordane	BRL	µg/L	0.50	0.10	1	8081A	02/10/05 3:36	jvogel	Q02975
d-BHC	BRL	µg/L	0.050	0.015	1	8081A	02/10/05 3:36	jvogel	Q02975
Dieldrin	BRL	µg/L	0.050	0.013	1	8081A	02/10/05 3:36	jvogel	Q02975
Endosulfan I	BRL	µg/L	0.050	0.010	1	8081A	02/10/05 3:36	jvogel	Q02975
Endosulfan II	BRL	µg/L	0.050	0.019	1	8081A	02/10/05 3:36	jvogel	Q02975
Endosulfan Sulfate	BRL	µg/L	0.050	0.024	1	8081A	02/10/05 3:36	jvogel	Q02975
Endrin	BRL	µg/L	0.050	0.027	1	8081A	02/10/05 3:36	jvogel	Q02975
Endrin Aldehyde	BRL	µg/L	0.050	0.014	1	8081A	02/10/05 3:36	jvogel	Q02975
Endrin Ketone	BRL	µg/L	0.050	0.018	1	8081A	02/10/05 3:36	jvogel	Q02975
g-BHC	BRL	µg/L	0.050	0.021	1	8081A	02/10/05 3:36	jvogel	Q02975
g-Chlordane	BRL	µg/L	0.050	0.013	1	8081A	02/10/05 3:36	jvogel	Q02975
Heptachlor	BRL	µg/L	0.050	0.022	1	8081A	02/10/05 3:36	jvogel	Q02975
Heptachlor Epoxide	BRL	µg/L	0.050	0.018	1	8081A	02/10/05 3:36	jvogel	Q02975
Toxaphene	BRL	µg/L	0.50	0.23	1	8081A	02/10/05 3:36	jvogel	Q02975

Sample Preparation: 1030 mL / 10 mL 3510C 02/08/05 9:00 smanlvanh P11764

Surrogate	% Recovery	Control Limits
Tetrachloro-m-xylene (TCMX)	82	40 - 134
Decachlorobiphenyl (DCB)	70	13 - 186



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-6  
Prism Sample ID: 110183  
COC Group: G0205104  
Time Collected: 02/02/05 12:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Polychlorinated Biphenyls (PCBs) by GC-ECD

PCB-1016	BRL	µg/L	0.50	0.17	1	8082	02/10/05 3:36	jvogel	Q02981
PCB-1221	BRL	µg/L	1.0	0.33	1	8082	02/10/05 3:36	jvogel	Q02981
PCB-1232	BRL	µg/L	0.50	0.25	1	8082	02/10/05 3:36	jvogel	Q02981
PCB-1242	BRL	µg/L	1.0	0.36	1	8082	02/10/05 3:36	jvogel	Q02981
PCB-1248	BRL	µg/L	0.50	0.25	1	8082	02/10/05 3:36	jvogel	Q02981
PCB-1254	BRL	µg/L	0.50	0.25	1	8082	02/10/05 3:36	jvogel	Q02981
PCB-1260	BRL	µg/L	0.50	0.26	1	8082	02/10/05 3:36	jvogel	Q02981
Sample Preparation:			1030	mL /	10 mL	3510C	02/08/05 9:00	smanlvanh	P11764

Surrogate	% Recovery	Control Limits
Tetrachloro-m-xylene (TCMX)	62	30 - 161
Decachlorobiphenyl (DCB)	41.	32 - 178

### Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/L	1.0	0.40	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,1,1-Trichloroethane	BRL	µg/L	1.0	0.45	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,1,2,2-Tetrachloroethane	BRL	µg/L	1.0	0.30	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,1,2-Trichloroethane	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,1-Dichloroethane	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,1-Dichloroethene	BRL	µg/L	1.0	0.43	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,1-Dichloropropene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,2,3-Trichlorobenzene	BRL	µg/L	2.0	0.57	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,2,3-Trichloropropane	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,2,4-Trichlorobenzene	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,2,4-Trimethylbenzene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,2-Dibromo-3-chloropropane	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,2-Dibromoethane (EDB)	BRL	µg/L	1.0	0.46	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,2-Dichlorobenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 14:19	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Water

Client Sample ID: GHM MW-6

Prism Sample ID: 110183

COC Group: G0205104

Time Collected: 02/02/05 12:00

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichloroethane	BRL	µg/L	1.0	0.36	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,2-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,3,5-Trimethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,3-Dichlorobenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,3-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 14:19	kcampigotto	Q02878
1,4-Dichlorobenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 14:19	kcampigotto	Q02878
2,2-Dichloropropane	BRL	µg/L	2.0	0.73	1	8260B	02/09/05 14:19	kcampigotto	Q02878
2-Chloroethyl vinyl ether	BRL	µg/L	2.0	0.43	1	8260B	02/09/05 14:19	kcampigotto	Q02878
2-Chlorotoluene	BRL	µg/L	1.0	0.19	1	8260B	02/09/05 14:19	kcampigotto	Q02878
2-Hexanone	BRL	µg/L	5.0	0.38	1	8260B	02/09/05 14:19	kcampigotto	Q02878
4-Chlorotoluene	BRL	µg/L	1.0	0.18	1	8260B	02/09/05 14:19	kcampigotto	Q02878
4-Methyl-2-pentanone (MIBK)	BRL	µg/L	5.0	0.32	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Acetone	BRL	µg/L	10	2.5	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Acrolein	BRL	µg/L	100	4.5	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Acrylonitrile	BRL	µg/L	100	0.65	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Benzene	BRL	µg/L	1.0	0.14	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Bromobenzene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Bromochloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Bromodichloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Bromoform	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Bromomethane	BRL	µg/L	3.0	1.1	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Carbon disulfide	BRL	µg/L	5.0	0.71	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Carbon tetrachloride	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Chlorobenzene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Chlorodibromomethane	BRL	µg/L	1.0	0.10	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Chloroethane	BRL	µg/L	5.0	1.6	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Chloroform	18	µg/L	1.0	0.35	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Chloromethane	BRL	µg/L	2.0	0.47	1	8260B	02/09/05 14:19	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-6  
Prism Sample ID: 110183  
COC Group: G0205104  
Time Collected: 02/02/05 12:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
cis-1,2-Dichloroethene	BRL	µg/L	1.0	0.47	1	8260B	02/09/05 14:19	kcampigotto	Q02878
cis-1,3-Dichloropropene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Dibromomethane	BRL	µg/L	1.0	0.34	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Dichlorodifluoromethane	BRL	µg/L	2.0	0.26	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Ethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Hexachlorobutadiene	BRL	µg/L	2.0	0.69	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Isopropyl ether (IPE)	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Isopropylbenzene	BRL	µg/L	1.0	0.25	1	8260B	02/09/05 14:19	kcampigotto	Q02878
m,p-Xylenes	BRL	µg/L	2.0	0.51	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Methyl ethyl ketone (MEK)	BRL	µg/L	5.0	0.81	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Methyl t-butyl ether (MTBE)	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Methylene chloride	BRL	µg/L	2.0	0.61	1	8260B	02/09/05 14:19	kcampigotto	Q02878
n-Butylbenzene	BRL	µg/L	1.0	0.33	1	8260B	02/09/05 14:19	kcampigotto	Q02878
n-Propylbenzene	BRL	µg/L	1.0	0.21	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Naphthalene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 14:19	kcampigotto	Q02878
o-Xylene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 14:19	kcampigotto	Q02878
p-Isopropyltoluene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 14:19	kcampigotto	Q02878
sec-Butylbenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Styrene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 14:19	kcampigotto	Q02878
tert-Butylbenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Tetrachloroethene	BRL	µg/L	1.0	0.49	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Toluene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 14:19	kcampigotto	Q02878
trans-1,2-Dichloroethene	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 14:19	kcampigotto	Q02878
trans-1,3-Dichloropropene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Trichloroethene	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Trichlorofluoromethane	BRL	µg/L	2.0	0.65	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Vinyl acetate	BRL	µg/L	20	10	1	8260B	02/09/05 14:19	kcampigotto	Q02878
Vinyl chloride	BRL	µg/L	2.0	0.60	1	8260B	02/09/05 14:19	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-6  
Prism Sample ID: 110183  
COC Group: G0205104  
Time Collected: 02/02/05 12:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Surrogate	% Recovery	Control Limits
Toluene-d8	103	75 - 121
Dibromofluoromethane	107	74 - 133
Bromofluorobenzene	103	69 - 139

## Semi-volatile Organics by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/L	9.8	3.0	1	8270C	02/08/05 17:08	bpurser	Q02869
1,2-Dichlorobenzene	BRL	µg/L	9.8	2.1	1	8270C	02/08/05 17:08	bpurser	Q02869
1,3-Dichlorobenzene	BRL	µg/L	9.8	2.4	1	8270C	02/08/05 17:08	bpurser	Q02869
1,4-Dichlorobenzene	BRL	µg/L	9.8	2.2	1	8270C	02/08/05 17:08	bpurser	Q02869
2,4,5-Trichlorophenol	BRL	µg/L	9.8	2.5	1	8270C	02/08/05 17:08	bpurser	Q02869
2,4,6-Trichlorophenol	BRL	µg/L	9.8	2.5	1	8270C	02/08/05 17:08	bpurser	Q02869
2,4-Dichlorophenol	BRL	µg/L	9.8	2.4	1	8270C	02/08/05 17:08	bpurser	Q02869
2,4-Dimethylphenol	BRL	µg/L	9.8	2.8	1	8270C	02/08/05 17:08	bpurser	Q02869
2,4-Dinitrophenol	BRL	µg/L	9.8	2.2	1	8270C	02/08/05 17:08	bpurser	Q02869
2,4-Dinitrotoluene	BRL	µg/L	9.8	1.3	1	8270C	02/08/05 17:08	bpurser	Q02869
2,6-Dinitrotoluene	BRL	µg/L	9.8	1.3	1	8270C	02/08/05 17:08	bpurser	Q02869
2-Chloronaphthalene	BRL	µg/L	9.8	2.2	1	8270C	02/08/05 17:08	bpurser	Q02869
2-Chlorophenol	BRL	µg/L	9.8	2.4	1	8270C	02/08/05 17:08	bpurser	Q02869
2-Methylnaphthalene	BRL	µg/L	9.8	1.8	1	8270C	02/08/05 17:08	bpurser	Q02869
2-Methylphenol	BRL	µg/L	9.8	2.7	1	8270C	02/08/05 17:08	bpurser	Q02869
2-Nitrophenol	BRL	µg/L	9.8	3.0	1	8270C	02/08/05 17:08	bpurser	Q02869
3&4-Methylphenol	BRL	µg/L	9.8	3.6	1	8270C	02/08/05 17:08	bpurser	Q02869
3,3'-Dichlorobenzidine	BRL	µg/L	9.8	2.5	1	8270C	02/08/05 17:08	bpurser	Q02869
4,6-Dinitro-2-methylphenol	BRL	µg/L	9.8	1.2	1	8270C	02/08/05 17:08	bpurser	Q02869
4-Bromophenylphenylether	BRL	µg/L	9.8	1.5	1	8270C	02/08/05 17:08	bpurser	Q02869
4-Chloro-3-methylphenol	BRL	µg/L	9.8	1.8	1	8270C	02/08/05 17:08	bpurser	Q02869
4-Chlorophenylphenylether	BRL	µg/L	9.8	1.9	1	8270C	02/08/05 17:08	bpurser	Q02869



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-6  
Prism Sample ID: 110183  
COC Group: G0205104  
Time Collected: 02/02/05 12:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Nitrophenol	BRL	µg/L	9.8	0.54	1	8270C	02/08/05 17:08	bpurser	Q02869
Acenaphthene	BRL	µg/L	9.8	2.2	1	8270C	02/08/05 17:08	bpurser	Q02869
Acenaphthylene	BRL	µg/L	9.8	2.0	1	8270C	02/08/05 17:08	bpurser	Q02869
Anthracene	BRL	µg/L	9.8	0.75	1	8270C	02/08/05 17:08	bpurser	Q02869
Benzo(a)anthracene	BRL	µg/L	9.8	1.2	1	8270C	02/08/05 17:08	bpurser	Q02869
Benzo(a)pyrene	BRL	µg/L	9.8	0.90	1	8270C	02/08/05 17:08	bpurser	Q02869
Benzo(b)fluoranthene	BRL	µg/L	9.8	1.1	1	8270C	02/08/05 17:08	bpurser	Q02869
Benzo(g,h,i)perylene	BRL	µg/L	9.8	1.3	1	8270C	02/08/05 17:08	bpurser	Q02869
Benzo(k)fluoranthene	BRL	µg/L	9.8	1.1	1	8270C	02/08/05 17:08	bpurser	Q02869
Bis(2-chloroethoxy)methane	BRL	µg/L	9.8	2.3	1	8270C	02/08/05 17:08	bpurser	Q02869
Bis(2-chloroethyl)ether	BRL	µg/L	9.8	2.7	1	8270C	02/08/05 17:08	bpurser	Q02869
Bis(2-chloroisopropyl)ether	BRL	µg/L	9.8	2.7	1	8270C	02/08/05 17:08	bpurser	Q02869
Bis(2-ethylhexyl)phthalate	BRL	µg/L	9.8	1.2	1	8270C	02/08/05 17:08	bpurser	Q02869
Butylbenzylphthalate	BRL	µg/L	9.8	0.74	1	8270C	02/08/05 17:08	bpurser	Q02869
Chrysene	BRL	µg/L	9.8	0.93	1	8270C	02/08/05 17:08	bpurser	Q02869
Di-n-butylphthalate	BRL	µg/L	9.8	0.84	1	8270C	02/08/05 17:08	bpurser	Q02869
Di-n-octylphthalate	BRL	µg/L	9.8	2.0	1	8270C	02/08/05 17:08	bpurser	Q02869
Dibenz(a,h)anthracene	BRL	µg/L	9.8	1.5	1	8270C	02/08/05 17:08	bpurser	Q02869
Dibenzo-furan	BRL	µg/L	9.8	2.2	1	8270C	02/08/05 17:08	bpurser	Q02869
Diethylphthalate	BRL	µg/L	9.8	1.5	1	8270C	02/08/05 17:08	bpurser	Q02869
Dimethylphthalate	BRL	µg/L	9.8	2.1	1	8270C	02/08/05 17:08	bpurser	Q02869
Fluoranthene	BRL	µg/L	9.8	0.61	1	8270C	02/08/05 17:08	bpurser	Q02869
Fluorene	BRL	µg/L	9.8	2.4	1	8270C	02/08/05 17:08	bpurser	Q02869
Hexachlorobenzene	BRL	µg/L	9.8	1.1	1	8270C	02/08/05 17:08	bpurser	Q02869
Hexachlorobutadiene	BRL	µg/L	9.8	1.9	1	8270C	02/08/05 17:08	bpurser	Q02869
Hexachlorocyclopentadiene	BRL	µg/L	9.8	2.4	1	8270C	02/08/05 17:08	bpurser	Q02869
Hexachloroethane	BRL	µg/L	9.8	2.1	1	8270C	02/08/05 17:08	bpurser	Q02869
Indeno(1,2,3-cd)pyrene	BRL	µg/L	9.8	1.8	1	8270C	02/08/05 17:08	bpurser	Q02869



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM MW-6  
Prism Sample ID: 110183  
COC Group: G0205104  
Time Collected: 02/02/05 12:00  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Isophorone	BRL	µg/L	9.8	2.9	1	8270C	02/08/05 17:08	bpurser	Q02869
N-Nitrosodi-n-propylamine	BRL	µg/L	9.8	2.6	1	8270C	02/08/05 17:08	bpurser	Q02869
N-Nitrosodiphenylamine	BRL	µg/L	9.8	1.5	1	8270C	02/08/05 17:08	bpurser	Q02869
Naphthalene	BRL	µg/L	9.8	1.9	1	8270C	02/08/05 17:08	bpurser	Q02869
Nitrobenzene	BRL	µg/L	9.8	2.4	1	8270C	02/08/05 17:08	bpurser	Q02869
Pentachlorophenol	BRL	µg/L	9.8	0.64	1	8270C	02/08/05 17:08	bpurser	Q02869
Phenanthrene	BRL	µg/L	9.8	0.57	1	8270C	02/08/05 17:08	bpurser	Q02869
Phenol	BRL	µg/L	9.8	3.7	1	8270C	02/08/05 17:08	bpurser	Q02869
Pyrene	BRL	µg/L	9.8	1.1	1	8270C	02/08/05 17:08	bpurser	Q02869

Sample Preparation: 1020 mL / 1 mL 3510C 02/07/05 13:00 smanivanh P11751

Surrogate	% Recovery	Control Limits
Terphenyl-d14	85	41 - 136
Phenol-d5	17	10 - 78
Nitrobenzene-d5	68	13 - 107
2-Fluorophenol	30	10 - 75
2-Fluorobiphenyl	73	27 - 107
2,4,6-Tribromophenol	69	38 - 117

## Mercury by CVAA

Mercury 0.00013 J mg/L 0.0002 0.000044 1 7470A 02/08/05 9:20 mstover Q02889

Sample Preparation: 20 mL / 30 mL 7470A 02/07/05 7:35 mstover P11754

## Metals by ICP

Antimony	0.0037 J	mg/L	0.010	0.0022	1	6010B	02/09/05 18:45	mcampbell	Q02951
Arsenic	BRL	mg/L	0.010	0.0044	1	6010B	02/09/05 18:45	mcampbell	Q02951
Beryllium	BRL	mg/L	0.0020	0.0002	1	6010B	02/09/05 18:45	mcampbell	Q02951
Cadmium	BRL	mg/L	0.0050	0.0002	1	6010B	02/10/05 16:56	mcampbell	Q02951
Chromium	BRL	mg/L	0.0050	0.0019	1	6010B	02/09/05 18:45	mcampbell	Q02951
Copper	BRL	mg/L	0.010	0.0017	1	6010B	02/09/05 18:45	mcampbell	Q02951



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# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Water

Client Sample ID: GHM MW-6

Prism Sample ID: 110183

COC Group: G0205104

Time Collected: 02/02/05 12:00

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Lead	0.0035 J	mg/L	0.0050	0.0014	1	6010B	02/09/05 18:45	mcampbell	Q02951
Nickel	0.0061 J	mg/L	0.010	0.0022	1	6010B	02/09/05 18:45	mcampbell	Q02951
Selenium	BRL	mg/L	0.020	0.012	1	6010B	02/09/05 18:45	mcampbell	Q02951
Silver	BRL	mg/L	0.0050	0.0005	1	6010B	02/10/05 16:56	mcampbell	Q02951
Thallium	BRL	mg/L	0.010	0.0043	1	6010B	02/09/05 18:45	mcampbell	Q02951
Zinc	0.027	mg/L	0.010	0.0020	1	6010B	02/09/05 18:45	mcampbell	Q02951
Sample Preparation:			50 mL	/	50 mL	3010A	02/08/05 7:20	cnguyen	P11748

Sample Comment(s):

All results are reported on a wet-weight basis

BRL = Below Reporting Limit

J = Estimated value between the Reporting Limit and the MDL

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

Angela D. Overcash, V.P. Laboratory Services



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM TB  
Prism Sample ID: 110186  
COC Group: G0205104  
Time Collected: 01/31/05  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	µg/L	1.0	0.40	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,1,1-Trichloroethane	BRL	µg/L	1.0	0.45	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,1,2,2-Tetrachloroethane	BRL	µg/L	1.0	0.30	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,1,2-Trichloroethane	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,1-Dichloroethane	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,1-Dichloroethene	BRL	µg/L	1.0	0.43	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,1-Dichloropropene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,2,3-Trichlorobenzene	BRL	µg/L	2.0	0.57	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,2,3-Trichloropropane	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,2,4-Trichlorobenzene	BRL	µg/L	1.0	0.42	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,2,4-Trimethylbenzene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,2-Dibromo-3-chloropropane	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,2-Dibromoethane (EDB)	BRL	µg/L	1.0	0.46	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,2-Dichlorobenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,2-Dichloroethane	BRL	µg/L	1.0	0.36	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,2-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,3,5-Trimethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,3-Dichlorobenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,3-Dichloropropane	BRL	µg/L	1.0	0.26	1	8260B	02/09/05 10:32	kcampigotto	Q02878
1,4-Dichlorobenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 10:32	kcampigotto	Q02878
2,2-Dichloropropane	BRL	µg/L	2.0	0.73	1	8260B	02/09/05 10:32	kcampigotto	Q02878
2-Chloroethyl vinyl ether	BRL	µg/L	2.0	0.43	1	8260B	02/09/05 10:32	kcampigotto	Q02878
2-Chlorotoluene	BRL	µg/L	1.0	0.19	1	8260B	02/09/05 10:32	kcampigotto	Q02878
2-Hexanone	BRL	µg/L	5.0	0.38	1	8260B	02/09/05 10:32	kcampigotto	Q02878
4-Chlorotoluene	BRL	µg/L	1.0	0.18	1	8260B	02/09/05 10:32	kcampigotto	Q02878
4-Methyl-2-pentanone (MIBK)	BRL	µg/L	5.0	0.32	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Acetone	BRL	µg/L	10	2.5	1	8260B	02/09/05 10:32	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill

Sample Matrix: Water

Client Sample ID: GHM TB

Prism Sample ID: 110186

COC Group: G0205104

Time Collected: 01/31/05

Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Acrolein	BRL	µg/L	100	4.5	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Acrylonitrile	BRL	µg/L	100	0.65	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Benzene	BRL	µg/L	1.0	0.14	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Bromobenzene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Bromochloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Bromodichloromethane	BRL	µg/L	1.0	0.31	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Bromoform	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Bromomethane	BRL	µg/L	3.0	1.1	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Carbon disulfide	BRL	µg/L	5.0	0.71	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Carbon tetrachloride	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Chlorobenzene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Chlorodibromomethane	BRL	µg/L	1.0	0.10	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Chloroethane	BRL	µg/L	5.0	1.6	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Chloroform	BRL	µg/L	1.0	0.35	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Chloromethane	BRL	µg/L	2.0	0.47	1	8260B	02/09/05 10:32	kcampigotto	Q02878
cis-1,2-Dichloroethene	BRL	µg/L	1.0	0.47	1	8260B	02/09/05 10:32	kcampigotto	Q02878
cis-1,3-Dichloropropene	BRL	µg/L	1.0	0.29	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Dibromomethane	BRL	µg/L	1.0	0.34	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Dichlorodifluoromethane	BRL	µg/L	2.0	0.26	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Ethylbenzene	BRL	µg/L	1.0	0.32	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Hexachlorobutadiene	BRL	µg/L	2.0	0.69	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Isopropyl ether (IPE)	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Isopropylbenzene	BRL	µg/L	1.0	0.25	1	8260B	02/09/05 10:32	kcampigotto	Q02878
m,p-Xylenes	BRL	µg/L	2.0	0.51	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Methyl ethyl ketone (MEK)	BRL	µg/L	5.0	0.81	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Methyl t-butyl ether (MTBE)	BRL	µg/L	1.0	0.50	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Methylene chloride	BRL	µg/L	2.0	0.61	1	8260B	02/09/05 10:32	kcampigotto	Q02878
n-Butylbenzene	BRL	µg/L	1.0	0.33	1	8260B	02/09/05 10:32	kcampigotto	Q02878



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

# Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St, Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM TB  
Prism Sample ID: 110186  
COC Group: G0205104  
Time Collected: 01/31/05  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
n-Propylbenzene	BRL	µg/L	1.0	0.21	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Naphthalene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 10:32	kcampigotto	Q02878
o-Xylene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 10:32	kcampigotto	Q02878
p-Isopropyltoluene	BRL	µg/L	1.0	0.24	1	8260B	02/09/05 10:32	kcampigotto	Q02878
sec-Butylbenzene	BRL	µg/L	1.0	0.27	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Styrene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 10:32	kcampigotto	Q02878
tert-Butylbenzene	BRL	µg/L	1.0	0.22	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Tetrachloroethene	BRL	µg/L	1.0	0.49	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Toluene	BRL	µg/L	1.0	0.39	1	8260B	02/09/05 10:32	kcampigotto	Q02878
trans-1,2-Dichloroethene	BRL	µg/L	2.0	0.56	1	8260B	02/09/05 10:32	kcampigotto	Q02878
trans-1,3-Dichloropropene	BRL	µg/L	1.0	0.38	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Trichloroethene	BRL	µg/L	2.0	0.52	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Trichlorofluoromethane	BRL	µg/L	2.0	0.65	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Vinyl acetate	BRL	µg/L	20	10	1	8260B	02/09/05 10:32	kcampigotto	Q02878
Vinyl chloride	BRL	µg/L	2.0	0.60	1	8260B	02/09/05 10:32	kcampigotto	Q02878

Surrogate	% Recovery	Control Limits
Toluene-d8	101	75 - 121
Dibromofluoromethane	107	74 - 133
Bromofluorobenzene	105	69 - 139



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FL Certification No. E87519

## Laboratory Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery  
Mill/Historic Cotton Mill  
Sample Matrix: Water

Client Sample ID: GHM TB  
Prism Sample ID: 110186  
COC Group: G0205104  
Time Collected: 01/31/05  
Time Submitted: 02/03/05 13:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Comment(s):

*All results are reported on a wet-weight basis*

*BRL = Below Reporting Limit*

*J = Estimated value between the Reporting Limit and the MDL*

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

Angela D. Overcash, V.P. Laboratory Services



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

## Level II QC Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill COC Group Number: G0205104  
Date/Time Submitted: 2/3/05 13:15

### Organochlorine Pesticides and PCBs by GC/ECD, method 8081A

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
4,4'-DDD	ND	0.05	<0.025	µg/L	Q02975
4,4'-DDE	ND	0.05	<0.025	µg/L	Q02975
4,4'-DDT	ND	0.05	<0.025	µg/L	Q02975
4,4'-Methoxychlor	ND	0.05	<0.025	µg/L	Q02975
a-BHC	ND	0.05	<0.025	µg/L	Q02975
a-Chlordane	ND	0.05	<0.025	µg/L	Q02975
Aldrin	ND	0.05	<0.025	µg/L	Q02975
b-BHC	ND	0.05	<0.025	µg/L	Q02975
Chlordane	ND	0.5	<0.25	µg/L	Q02975
d-BHC	ND	0.05	<0.025	µg/L	Q02975
Dieldrin	ND	0.05	<0.025	µg/L	Q02975
Endosulfan I	ND	0.05	<0.025	µg/L	Q02975
Endosulfan II	ND	0.05	<0.025	µg/L	Q02975
Endosulfan Sulfate	ND	0.05	<0.025	µg/L	Q02975
Endrin	ND	0.05	<0.025	µg/L	Q02975
Endrin Aldehyde	ND	0.05	<0.025	µg/L	Q02975
Endrin Ketone	ND	0.05	<0.025	µg/L	Q02975
g-BHC	ND	0.05	<0.025	µg/L	Q02975
g-Chlordane	ND	0.05	<0.025	µg/L	Q02975
Heptachlor	ND	0.05	<0.025	µg/L	Q02975
Heptachlor Epoxide	ND	0.05	<0.025	µg/L	Q02975
Toxaphene	ND	0.5	<0.25	µg/L	Q02975
4,4'-DDD	ND	2	<1	µg/kg	Q03023
4,4'-DDE	ND	2	<1	µg/kg	Q03023
4,4'-DDT	ND	2	<1	µg/kg	Q03023
4,4'-Methoxychlor	ND	4	<2	µg/kg	Q03023
a-BHC	ND	2	<1	µg/kg	Q03023
a-Chlordane	ND	2	<1	µg/kg	Q03023
Aldrin	ND	2	<1	µg/kg	Q03023
b-BHC	ND	2	<1	µg/kg	Q03023
Chlordane	ND	20	<10	µg/kg	Q03023
d-BHC	ND	2	<1	µg/kg	Q03023
Dieldrin	ND	2	<1	µg/kg	Q03023
Endosulfan I	ND	2	<1	µg/kg	Q03023
Endosulfan II	ND	2	<1	µg/kg	Q03023
Endosulfan Sulfate	ND	2	<1	µg/kg	Q03023
Endrin	ND	2	<1	µg/kg	Q03023
Endrin Aldehyde	ND	2	<1	µg/kg	Q03023
Endrin Ketone	ND	2	<1	µg/kg	Q03023
g-BHC	ND	2	<1	µg/kg	Q03023
g-Chlordane	ND	2	<1	µg/kg	Q03023
Heptachlor	ND	2	<1	µg/kg	Q03023



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## Level II QC Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID:

Former Grey Hosiery  
Mill/Historic Cotton Mill

COC Group Number: G0205104

Date/Time Submitted: 2/3/05 13:15

### Method Blank

	Result	RL	Control Limit	Units	QC Batch ID
Heptachlor Epoxide	ND	2	<1	µg/kg	Q03023
Toxaphene	ND	200	<100	µg/kg	Q03023

### Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
4,4'-DDT	0.965	1	µg/L	97	66 - 142	Q02975
Aldrin	1.04	1	µg/L	104	62 - 124	Q02975
Dieldrin	1.10	1	µg/L	110	69 - 130	Q02975
Endrin	1.07	1	µg/L	107	69 - 144	Q02975
Heptachlor	0.954	1	µg/L	95	61 - 136	Q02975
4,4'-DDT	34.8	33	µg/kg	105	75 - 141	Q03023
Aldrin	35.9	33	µg/kg	109	66 - 132	Q03023
Dieldrin	36.3	33	µg/kg	110	72 - 136	Q03023
Endrin	37.5	33	µg/kg	113	74 - 147	Q03023
Heptachlor	34.5	33	µg/kg	104	72 - 134	Q03023

### Matrix Spike

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
110181	4,4'-DDT	0.987	1	µg/L	99	15 - 171	Q02975
	Aldrin	1.05	1	µg/L	105	24 - 142	Q02975
	Dieldrin	1.10	1	µg/L	110	27 - 148	Q02975
	Endrin	1.14	1	µg/L	114	35 - 165	Q02975
	Heptachlor	1.01	1	µg/L	101	38 - 150	Q02975
110173	4,4'-DDT	35.1	33	µg/kg	107	56 - 163	Q03023
	Aldrin	35.6	33	µg/kg	108	57 - 137	Q03023
	Dieldrin	36.3	33	µg/kg	110	60 - 141	Q03023
	Endrin	37.8	33	µg/kg	114	65 - 164	Q03023
	Heptachlor	34.6	33	µg/kg	105	63 - 142	Q03023

### Matrix Spike Duplicate

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
110181	4,4'-DDT	0.969	1	µg/L	97	15 - 171	3	0 - 30	Q02975
	Aldrin	1.03	1	µg/L	103	24 - 142	2	0 - 35	Q02975
	Dieldrin	1.06	1	µg/L	106	27 - 148	3	0 - 28	Q02975
	Endrin	1.12	1	µg/L	112	35 - 165	2	0 - 27	Q02975
	Heptachlor	0.986	1	µg/L	99	38 - 150	2	0 - 36	Q02975
110173	4,4'-DDT	33.9	33	µg/kg	103	56 - 163	3	0 - 38	Q03023
	Aldrin	34.0	33	µg/kg	103	57 - 137	5	0 - 29	Q03023
	Dieldrin	34.3	33	µg/kg	104	60 - 141	6	0 - 30	Q03023



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## Level II QC Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill COC Group Number: G0205104  
Date/Time Submitted: 2/3/05 13:15

### Matrix Spike Duplicate

Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
Endrin	35.8	33	µg/kg	109	65 - 164	5	0 - 21	Q03023
Heptachlor	33.4	33	µg/kg	101	63 - 142	4	0 - 27	Q03023



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## Level II QC Report

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Project ID: Former Grey Hosiery Mill/Historic Cotton Mill COC Group Number: G0205104  
Date/Time Submitted: 2/3/05 13:15

### Polychlorinated Biphenyls (PCBs) by GC-ECD, method 8082

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
PCB-1016	ND	0.5	<0.25	µg/L	Q02981
PCB-1221	ND	1	<0.5	µg/L	Q02981
PCB-1232	ND	0.5	<0.25	µg/L	Q02981
PCB-1242	ND	1	<0.5	µg/L	Q02981
PCB-1248	ND	0.5	<0.25	µg/L	Q02981
PCB-1254	ND	0.5	<0.25	µg/L	Q02981
PCB-1260	ND	0.5	<0.25	µg/L	Q02981
PCB-1016	ND	0.05	<0.025	mg/kg	Q03037
PCB-1221	ND	0.1	<0.05	mg/kg	Q03037
PCB-1232	ND	0.05	<0.025	mg/kg	Q03037
PCB-1242	ND	0.05	<0.025	mg/kg	Q03037
PCB-1248	ND	0.05	<0.025	mg/kg	Q03037
PCB-1254	ND	0.05	<0.025	mg/kg	Q03037
PCB-1260	ND	0.05	<0.025	mg/kg	Q03037

Laboratory Control Sample	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
PCB-1016	7.99	10	µg/L	80	60 - 140	Q02981
PCB-1260	10.0	10	µg/L	100	60 - 140	Q02981
PCB-1016	0.374	0.333	mg/kg	112	64 - 151	Q03037
PCB-1260	0.382	0.333	mg/kg	115	45 - 166	Q03037

Matrix Spike	Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
110181	PCB-1016	7.30	10	µg/L	73	60 - 140	Q02981
	PCB-1260	7.79	10	µg/L	78	60 - 140	Q02981
110177	PCB-1016	0.386	0.333	mg/kg	116	14 - 192	Q03037
	PCB-1260	0.362	0.333	mg/kg	109	10 - 192	Q03037

Matrix Spike Duplicate	Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
110181	PCB-1016	7.34	10	µg/L	73	60 - 140	1	0 - 40	Q02981
	PCB-1260	8.04	10	µg/L	80	60 - 140	3	0 - 40	Q02981
110177	PCB-1016	0.346	0.333	mg/kg	104	14 - 192	11	0 - 40	Q03037
	PCB-1260	0.328	0.333	mg/kg	98	10 - 192	10	0 - 40	Q03037



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## Level II QC Report

2/15/05

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Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery COC Group Number: G0205104  
Mill/Historic Cotton Mill Date/Time Submitted: 2/3/05 13:15



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## Level II QC Report

2/15/05

Hart & Hickman  
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2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill COC Group Number: G0205104  
Date/Time Submitted: 2/3/05 13:15

### Volatile Organic Compounds by GC/MS, method 8260B

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
1,1,1,2-Tetrachloroethane	ND	1	<0.5	µg/L	Q02878
1,1,1-Trichloroethane	ND	1	<0.5	µg/L	Q02878
1,1,2,2-Tetrachloroethane	ND	1	<0.5	µg/L	Q02878
1,1,2-Trichloroethane	ND	1	<0.5	µg/L	Q02878
1,1-Dichloroethane	ND	1	<0.5	µg/L	Q02878
1,1-Dichloroethene	ND	1	<0.5	µg/L	Q02878
1,1-Dichloropropene	ND	1	<0.5	µg/L	Q02878
1,2,3-Trichlorobenzene	ND	2	<1	µg/L	Q02878
1,2,3-Trichloropropane	ND	1	<0.5	µg/L	Q02878
1,2,4-Trichlorobenzene	ND	1	<0.5	µg/L	Q02878
1,2,4-Trimethylbenzene	ND	1	<0.5	µg/L	Q02878
1,2-Dibromo-3-chloropropane	ND	2	<1	µg/L	Q02878
1,2-Dibromoethane (EDB)	ND	1	<0.5	µg/L	Q02878
1,2-Dichlorobenzene	ND	1	<0.5	µg/L	Q02878
1,2-Dichloroethane	ND	1	<0.5	µg/L	Q02878
1,2-Dichloropropane	ND	1	<0.5	µg/L	Q02878
1,3,5-Trimethylbenzene	ND	1	<0.5	µg/L	Q02878
1,3-Dichlorobenzene	ND	1	<0.5	µg/L	Q02878
1,3-Dichloropropane	ND	1	<0.5	µg/L	Q02878
1,4-Dichlorobenzene	ND	1	<0.5	µg/L	Q02878
2,2-Dichloropropane	ND	2	<1	µg/L	Q02878
2-Chloroethyl vinyl ether	ND	2	<1	µg/L	Q02878
2-Chlorotoluene	ND	1	<0.5	µg/L	Q02878
2-Hexanone	ND	5	<2.5	µg/L	Q02878
4-Chlorotoluene	ND	1	<0.5	µg/L	Q02878
4-Methyl-2-pentanone (MIBK)	ND	5	<2.5	µg/L	Q02878
Acetone	ND	10	<5	µg/L	Q02878
Acrolein	ND	100	<50	µg/L	Q02878
Acrylonitrile	ND	100	<50	µg/L	Q02878
Benzene	ND	1	<0.5	µg/L	Q02878
Bromobenzene	ND	1	<0.5	µg/L	Q02878
Bromochloromethane	ND	1	<0.5	µg/L	Q02878
Bromodichloromethane	ND	1	<0.5	µg/L	Q02878
Bromoform	ND	1	<0.5	µg/L	Q02878
Bromomethane	ND	3	<1.5	µg/L	Q02878
Carbon disulfide	ND	5	<2.5	µg/L	Q02878
Carbon tetrachloride	ND	2	<1	µg/L	Q02878
Chlorobenzene	ND	1	<0.5	µg/L	Q02878
Chlorodibromomethane	ND	1	<0.5	µg/L	Q02878
Chloroethane	ND	5	<2.5	µg/L	Q02878
Chloroform	ND	1	<0.5	µg/L	Q02878
Chloromethane	ND	2	<1	µg/L	Q02878



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## Level II QC Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill COC Group Number: G0205104  
Date/Time Submitted: 2/3/05 13:15

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
cis-1,2-Dichloroethene	ND	1	<0.5	µg/L	Q02878
cis-1,3-Dichloropropene	ND	1	<0.5	µg/L	Q02878
Dibromomethane	ND	1	<0.5	µg/L	Q02878
Dichlorodifluoromethane	ND	2	<1	µg/L	Q02878
Ethylbenzene	ND	1	<0.5	µg/L	Q02878
Hexachlorobutadiene	ND	2	<1	µg/L	Q02878
Isopropyl ether (IPE)	ND	1	<0.5	µg/L	Q02878
Isopropylbenzene	ND	1	<0.5	µg/L	Q02878
m,p-Xylenes	ND	2	<1	µg/L	Q02878
Methyl ethyl ketone (MEK)	ND	5	<2.5	µg/L	Q02878
Methyl t-butyl ether (MTBE)	ND	1	<0.5	µg/L	Q02878
Methylene chloride	ND	2	<1	µg/L	Q02878
n-Butylbenzene	ND	1	<0.5	µg/L	Q02878
n-Propylbenzene	ND	1	<0.5	µg/L	Q02878
Naphthalene	ND	1	<0.5	µg/L	Q02878
o-Xylene	ND	1	<0.5	µg/L	Q02878
p-Isopropyltoluene	ND	1	<0.5	µg/L	Q02878
sec-Butylbenzene	ND	1	<0.5	µg/L	Q02878
Styrene	ND	1	<0.5	µg/L	Q02878
tert-Butylbenzene	ND	1	<0.5	µg/L	Q02878
Tetrachloroethene	ND	1	<0.5	µg/L	Q02878
Toluene	ND	1	<0.5	µg/L	Q02878
trans-1,2-Dichloroethene	ND	2	<1	µg/L	Q02878
trans-1,3-Dichloropropene	ND	1	<0.5	µg/L	Q02878
Trichloroethene	ND	2	<1	µg/L	Q02878
Trichlorofluoromethane	ND	2	<1	µg/L	Q02878
Vinyl acetate	ND	20	<10	µg/L	Q02878
Vinyl chloride	ND	2	<1	µg/L	Q02878
1,1,1,2-Tetrachloroethane	ND	5	<2.5	µg/kg	Q02879
1,1,1-Trichloroethane	ND	5	<2.5	µg/kg	Q02879
1,1,2,2-Tetrachloroethane	ND	5	<2.5	µg/kg	Q02879
1,1,2-Trichloroethane	ND	5	<2.5	µg/kg	Q02879
1,1-Dichloroethane	ND	5	<2.5	µg/kg	Q02879
1,1-Dichloroethene	ND	5	<2.5	µg/kg	Q02879
1,1-Dichloropropene	ND	5	<2.5	µg/kg	Q02879
1,2,3-Trichlorobenzene	ND	10	<5	µg/kg	Q02879
1,2,3-Trichloropropane	ND	5	<2.5	µg/kg	Q02879
1,2,4-Trichlorobenzene	ND	10	<5	µg/kg	Q02879
1,2,4-Trimethylbenzene	ND	10	<5	µg/kg	Q02879
1,2-Dibromo-3-chloropropane	ND	5	<2.5	µg/kg	Q02879
1,2-Dibromoethane (EDB)	ND	5	<2.5	µg/kg	Q02879
1,2-Dichlorobenzene	ND	10	<5	µg/kg	Q02879
1,2-Dichloroethane	ND	5	<2.5	µg/kg	Q02879
1,2-Dichloropropane	ND	5	<2.5	µg/kg	Q02879



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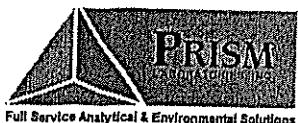
## Level II QC Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill COC Group Number: G0205104  
Date/Time Submitted: 2/3/05 13:15

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
1,3,5-Trimethylbenzene	ND	10	<5	µg/kg	Q02879
1,3-Dichlorobenzene	ND	10	<5	µg/kg	Q02879
1,3-Dichloropropane	ND	5	<2.5	µg/kg	Q02879
1,4-Dichlorobenzene	ND	10	<5	µg/kg	Q02879
2,2-Dichloropropane	ND	5	<2.5	µg/kg	Q02879
2-Chloroethyl vinyl ether	ND	10	<5	µg/kg	Q02879
2-Chlorotoluene	ND	10	<5	µg/kg	Q02879
2-Hexanone	ND	50	<25	µg/kg	Q02879
4-Chlorotoluene	ND	10	<5	µg/kg	Q02879
4-Methyl-2-pentanone (MIBK)	ND	10	<5	µg/kg	Q02879
Acetone	ND	20	<10	µg/kg	Q02879
Benzene	ND	3	<1.5	µg/kg	Q02879
Bromobenzene	ND	5	<2.5	µg/kg	Q02879
Bromoform	ND	5	<2.5	µg/kg	Q02879
Bromomethane	ND	10	<5	µg/kg	Q02879
Carbon disulfide	ND	10	<5	µg/kg	Q02879
Carbon tetrachloride	ND	5	<2.5	µg/kg	Q02879
Chlorobenzene	ND	5	<2.5	µg/kg	Q02879
Chlorodibromomethane	ND	5	<2.5	µg/kg	Q02879
Chloroethane	ND	10	<5	µg/kg	Q02879
Chloroform	ND	5	<2.5	µg/kg	Q02879
Chloromethane	ND	10	<5	µg/kg	Q02879
cis-1,2-Dichloroethene	ND	5	<2.5	µg/kg	Q02879
cis-1,3-Dichloropropene	ND	5	<2.5	µg/kg	Q02879
Dibromomethane	ND	5	<2.5	µg/kg	Q02879
Dichlorodifluoromethane	ND	10	<5	µg/kg	Q02879
Ethylbenzene	ND	6	<3	µg/kg	Q02879
Hexachlorobutadiene	ND	15	<7.5	µg/kg	Q02879
Isopropyl ether (IPE)	ND	5	<2.5	µg/kg	Q02879
Isopropylbenzene	ND	10	<5	µg/kg	Q02879
m,p-Xylenes	ND	15	<7.5	µg/kg	Q02879
Methyl ethyl ketone (MEK)	ND	20	<10	µg/kg	Q02879
Methyl t-butyl ether (MTBE)	ND	5	<2.5	µg/kg	Q02879
Methylene chloride	ND	10	<5	µg/kg	Q02879
n-Butylbenzene	ND	15	<7.5	µg/kg	Q02879
n-Propylbenzene	ND	10	<5	µg/kg	Q02879
Naphthalene	ND	6	<3	µg/kg	Q02879
o-Xylene	ND	5	<2.5	µg/kg	Q02879
p-Isopropyltoluene	ND	15	<7.5	µg/kg	Q02879
sec-Butylbenzene	ND	15	<7.5	µg/kg	Q02879
Styrene	ND	5	<2.5	µg/kg	Q02879
tert-Butylbenzene	ND	20	<10	µg/kg	Q02879



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## Level II QC Report

2/15/05

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Project ID: Former Grey Hosiery Mill/Historic Cotton Mill COC Group Number: G0205104  
Date/Time Submitted: 2/3/05 13:15

### Method Blank

	Result	RL	Control Limit	Units	QC Batch ID
Tetrachloroethene	ND	10	<5	µg/kg	Q02879
Toluene	ND	5	<2.5	µg/kg	Q02879
trans-1,2-Dichloroethene	ND	5	<2.5	µg/kg	Q02879
trans-1,3-Dichloropropene	ND	5	<2.5	µg/kg	Q02879
Trichloroethene	ND	5	<2.5	µg/kg	Q02879
Trichlorofluoromethane	ND	5	<2.5	µg/kg	Q02879
Vinyl chloride	ND	10	<5	µg/kg	Q02879

### Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
1,1-Dichloroethene	53.0	50	µg/L	106	62 - 141	Q02878
Benzene	62.0	50	µg/L	124	70 - 141	Q02878
Chlorobenzene	55.8	50	µg/L	112	88 - 120	Q02878
Toluene	57.4	50	µg/L	115	78 - 130	Q02878
Trichloroethene	60.7	50	µg/L	121	78 - 124	Q02878
1,1-Dichloroethene	40.4	50	µg/kg	81	57 - 122	Q02879
Benzene	47.8	50	µg/kg	96	62 - 119	Q02879
Chlorobenzene	48.9	50	µg/kg	98	61 - 124	Q02879
Toluene	49.6	50	µg/kg	99	57 - 122	Q02879
Trichloroethene	52.4	50	µg/kg	105	59 - 129	Q02879

### Matrix Spike

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
110181	1,1-Dichloroethene	191	200	µg/L	96	54 - 140	Q02878
	Benzene	238	200	µg/L	119	62 - 129	Q02878
	Chlorobenzene	226	200	µg/L	113	64 - 127	Q02878
	Toluene	220	200	µg/L	110	60 - 131	Q02878
	Trichloroethene	228	200	µg/L	114	52 - 128	Q02878
110170	1,1-Dichloroethene	38.2	50	µg/kg	76	44 - 140	Q02879
	Benzene	41.8	50	µg/kg	84	46 - 136	Q02879
	Chlorobenzene	36.0	50	µg/kg	72	47 - 135	Q02879
	Toluene	43.4	50	µg/kg	87	47 - 136	Q02879
	Trichloroethene	37.5	50	µg/kg	75	45 - 141	Q02879

### Matrix Spike Duplicate

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
110181	1,1-Dichloroethene	185	200	µg/L	93	54 - 140	3	0 - 20	Q02878
	Benzene	228	200	µg/L	114	62 - 129	4	0 - 19	Q02878
	Chlorobenzene	219	200	µg/L	109	64 - 127	3	0 - 20	Q02878



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## Level II QC Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill COC Group Number: G0205104  
Date/Time Submitted: 2/3/05 13:15

Matrix Spike Duplicate		Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
110170	Toluene		210	200	µg/L	105	60 - 131	4	0 - 21	Q02878
	Trichloroethene		221	200	µg/L	111	52 - 128	3	0 - 18	Q02878
	1,1-Dichloroethene		38.3	50	µg/kg	77	44 - 140	0	0 - 23	Q02879
	Benzene		43.9	50	µg/kg	88	46 - 136	5	0 - 22	Q02879
	Chlorobenzene		40.7	50	µg/kg	81	47 - 135	12	0 - 22	Q02879
	Toluene		43.7	50	µg/kg	87	47 - 136	1	0 - 22	Q02879
	Trichloroethene		41.6	50	µg/kg	83	45 - 141	10	0 - 23	Q02879



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Date/Time Submitted: 2/3/05 13:15

### Semi-volatile Organic Compounds by GC/MS, method 8270C

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
1,2,4-Trichlorobenzene	ND	10	<5	µg/L	Q02869
1,2-Dichlorobenzene	ND	10	<5	µg/L	Q02869
1,3-Dichlorobenzene	ND	10	<5	µg/L	Q02869
1,4-Dichlorobenzene	ND	10	<5	µg/L	Q02869
2,4,5-Trichlorophenol	ND	10	<5	µg/L	Q02869
2,4,6-Trichlorophenol	ND	10	<5	µg/L	Q02869
2,4-Dichlorophenol	ND	10	<5	µg/L	Q02869
2,4-Dimethylphenol	ND	10	<5	µg/L	Q02869
2,4-Dinitrophenol	ND	10	<5	µg/L	Q02869
2,4-Dinitrotoluene	ND	10	<5	µg/L	Q02869
2,6-Dinitrotoluene	ND	10	<5	µg/L	Q02869
2-Chloronaphthalene	ND	10	<5	µg/L	Q02869
2-Chlorophenol	ND	10	<5	µg/L	Q02869
2-Methylnaphthalene	ND	10	<5	µg/L	Q02869
2-Methylphenol	ND	10	<5	µg/L	Q02869
2-Nitrophenol	ND	10	<5	µg/L	Q02869
3&4-Methyphenol	ND	10	<5	µg/L	Q02869
3,3'-Dichlorobenzidine	ND	10	<5	µg/L	Q02869
4,6-Dinitro-2-methylphenol	ND	10	<5	µg/L	Q02869
4-Bromophenylphenylether	ND	10	<5	µg/L	Q02869
4-Chloro-3-methylphenol	ND	10	<5	µg/L	Q02869
4-Chlorophenylphenylether	ND	10	<5	µg/L	Q02869
4-Nitrophenol	ND	10	<5	µg/L	Q02869
Acenaphthene	ND	10	<5	µg/L	Q02869
Acenaphthylene	ND	10	<5	µg/L	Q02869
Anthracene	ND	10	<5	µg/L	Q02869
Benzo(a)anthracene	ND	10	<5	µg/L	Q02869
Benzo(a)pyrene	ND	10	<5	µg/L	Q02869
Benzo(b)fluoranthene	ND	10	<5	µg/L	Q02869
Benzo(g,h,i)perylene	ND	10	<5	µg/L	Q02869
Benzo(k)fluoranthene	ND	10	<5	µg/L	Q02869
Bis(2-chloroethoxy)methane	ND	10	<5	µg/L	Q02869
Bis(2-chloroethyl)ether	ND	10	<5	µg/L	Q02869
Bis(2-chloroisopropyl)ether	ND	10	<5	µg/L	Q02869
Bis(2-ethylhexyl)phthalate	ND	10	<5	µg/L	Q02869
Butylbenzylphthalate	ND	10	<5	µg/L	Q02869
Chrysene	ND	10	<5	µg/L	Q02869
Di-n-butylphthalate	ND	10	<5	µg/L	Q02869
Di-n-octylphthalate	ND	10	<5	µg/L	Q02869
Dibenz(a,h)anthracene	ND	10	<5	µg/L	Q02869
Dibenzofuran	ND	10	<5	µg/L	Q02869
Diethylphthalate	ND	10	<5	µg/L	Q02869



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2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID:

Former Grey Hosiery  
Mill/Historic Cotton Mill

COC Group Number: G0205104

Date/Time Submitted: 2/3/05 13:15

### Method Blank

	Result	RL	Control Limit	Units	QC Batch ID
Dimethylphthalate	ND	10	<5	µg/L	Q02869
Fluoranthene	ND	10	<5	µg/L	Q02869
Fluorene	ND	10	<5	µg/L	Q02869
Hexachlorobenzene	ND	10	<5	µg/L	Q02869
Hexachlorobutadiene	ND	10	<5	µg/L	Q02869
Hexachlorocyclopentadiene	ND	10	<5	µg/L	Q02869
Hexachloroethane	ND	10	<5	µg/L	Q02869
Indeno(1,2,3-cd)pyrene	ND	10	<5	µg/L	Q02869
Isophorone	ND	10	<5	µg/L	Q02869
N-Nitrosodi-n-propylamine	ND	10	<5	µg/L	Q02869
N-Nitrosodiphenylamine	ND	10	<5	µg/L	Q02869
Naphthalene	ND	10	<5	µg/L	Q02869
Nitrobenzene	ND	10	<5	µg/L	Q02869
Pentachlorophenol	ND	10	<5	µg/L	Q02869
Phenanthrene	ND	10	<5	µg/L	Q02869
Phenol	ND	10	<5	µg/L	Q02869
Pyrene	ND	10	<5	µg/L	Q02869
1,2,4-Trichlorobenzene	ND	330	<165	µg/kg	Q02901
1,2-Dichlorobenzene	ND	330	<165	µg/kg	Q02901
1,3-Dichlorobenzene	ND	330	<165	µg/kg	Q02901
1,4-Dichlorobenzene	ND	330	<165	µg/kg	Q02901
2,4,5-Trichlorophenol	ND	330	<165	µg/kg	Q02901
2,4,6-Trichlorophenol	ND	330	<165	µg/kg	Q02901
2,4-Dichlorophenol	ND	330	<165	µg/kg	Q02901
2,4-Dimethylphenol	ND	330	<165	µg/kg	Q02901
2,4-Dinitrophenol	ND	330	<165	µg/kg	Q02901
2,4-Dinitrotoluene	ND	330	<165	µg/kg	Q02901
2,6-Dinitrotoluene	ND	330	<165	µg/kg	Q02901
2-Chloronaphthalene	ND	330	<165	µg/kg	Q02901
2-Chlorophenol	ND	330	<165	µg/kg	Q02901
2-Methylnaphthalene	ND	330	<165	µg/kg	Q02901
2-Methylphenol	ND	330	<165	µg/kg	Q02901
2-Nitrophenol	ND	330	<165	µg/kg	Q02901
3&4-Methylphenol	ND	330	<165	µg/kg	Q02901
3,3'-Dichlorobenzidine	ND	330	<165	µg/kg	Q02901
4,6-Dinitro-2-methylphenol	ND	330	<165	µg/kg	Q02901
4-Bromophenylphenylether	ND	330	<165	µg/kg	Q02901
4-Chloro-3-methylphenol	ND	330	<165	µg/kg	Q02901
4-Chlorophenylphenylether	ND	330	<165	µg/kg	Q02901
4-Nitrophenol	ND	330	<165	µg/kg	Q02901
Acenaphthene	ND	330	<165	µg/kg	Q02901
Acenaphthylene	ND	330	<165	µg/kg	Q02901
Anthracene	ND	330	<165	µg/kg	Q02901
Benzo(a)anthracene	ND	330	<165	µg/kg	Q02901



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Date/Time Submitted: 2/3/05 13:15

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
Benzo(a)pyrene	ND	330	<165	µg/kg	Q02901
Benzo(b)fluoranthene	ND	330	<165	µg/kg	Q02901
Benzo(g,h,i)perylene	ND	330	<165	µg/kg	Q02901
Benzo(k)fluoranthene	ND	330	<165	µg/kg	Q02901
Bis(2-chloroethoxy)methane	ND	330	<165	µg/kg	Q02901
Bis(2-chloroethyl)ether	ND	330	<165	µg/kg	Q02901
Bis(2-chloroisopropyl)ether	ND	330	<165	µg/kg	Q02901
Bis(2-ethylhexyl)phthalate	ND	330	<165	µg/kg	Q02901
Butylbenzylphthalate	ND	330	<165	µg/kg	Q02901
Chrysene	ND	330	<165	µg/kg	Q02901
Di-n-butylphthalate	ND	330	<165	µg/kg	Q02901
Di-n-octylphthalate	ND	330	<165	µg/kg	Q02901
Dibenzo(a,h)anthracene	ND	330	<165	µg/kg	Q02901
Dibenzofuran	ND	330	<165	µg/kg	Q02901
Diethylphthalate	ND	330	<165	µg/kg	Q02901
Dimethylphthalate	ND	330	<165	µg/kg	Q02901
Fluoranthene	ND	330	<165	µg/kg	Q02901
Fluorene	ND	330	<165	µg/kg	Q02901
Hexachlorobenzene	ND	330	<165	µg/kg	Q02901
Hexachlorobutadiene	ND	330	<165	µg/kg	Q02901
Hexachlorocyclopentadiene	ND	330	<165	µg/kg	Q02901
Hexachloroethane	ND	330	<165	µg/kg	Q02901
Indeno(1,2,3-cd)pyrene	ND	330	<165	µg/kg	Q02901
Isophorone	ND	330	<165	µg/kg	Q02901
N-Nitrosodi-n-propylamine	ND	330	<165	µg/kg	Q02901
N-Nitrosodiphenylamine	ND	330	<165	µg/kg	Q02901
Naphthalene	ND	330	<165	µg/kg	Q02901
Nitrobenzene	ND	330	<165	µg/kg	Q02901
Pentachlorophenol	ND	330	<165	µg/kg	Q02901
Phenanthrene	ND	330	<165	µg/kg	Q02901
Phenol	ND	330	<165	µg/kg	Q02901
Pyrene	ND	330	<165	µg/kg	Q02901

Laboratory Control Sample	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
1,2,4-Trichlorobenzene	39.7	50	µg/L	79	26 - 96	Q02869
1,4-Dichlorobenzene	38.1	50	µg/L	76	19 - 95	Q02869
2,4-Dinitrotoluene	43.8	50	µg/L	88	47 - 122	Q02869
2-Chlorophenol	38.2	50	µg/L	76	20 - 95	Q02869
4-Chloro-3-methylphenol	41.6	50	µg/L	83	36 - 104	Q02869
4-Nitrophenol	10.3	50	µg/L	21	10 - 117	Q02869
Acenaphthene	44.1	50	µg/L	88	36 - 109	Q02869



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Project ID: Former Grey Hosiery Mill/Historic Cotton Mill COC Group Number: G0205104  
Date/Time Submitted: 2/3/05 13:15

### Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
N-Nitrosodi-n-propylamine	43.1	50	µg/L	86	31 - 100	Q02869
Pentachlorophenol	44.8	50	µg/L	90	48 - 124	Q02869
Phenol	13.1	50	µg/L	26	10 - 99	Q02869
Pyrene	50.2	50	µg/L	100	55 - 120	Q02869
1,2,4-Trichlorobenzene	1020	1660	µg/kg	61	39 - 98	Q02901
1,4-Dichlorobenzene	950	1660	µg/kg	57	37 - 95	Q02901
2,4-Dinitrotoluene	1140	1660	µg/kg	69	56 - 128	Q02901
2-Chlorophenol	980	1660	µg/kg	59	37 - 98	Q02901
4-Chloro-3-methylphenol	1110	1660	µg/kg	67	45 - 111	Q02901
4-Nitrophenol	1040	1660	µg/kg	63	20 - 157	Q02901
Acenaphthene	1070	1660	µg/kg	65	44 - 110	Q02901
N-Nitrosodi-n-propylamine	914	1660	µg/kg	55	38 - 101	Q02901
Pentachlorophenol	1340	1660	µg/kg	81	53 - 127	Q02901
Phenol	980	1660	µg/kg	59	34 - 102	Q02901
Pyrene	1310	1660	µg/kg	79	54 - 131	Q02901

### Matrix Spike

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
110181	1,2,4-Trichlorobenzene	73.7	100	µg/L	74	21 - 105	Q02869
	1,4-Dichlorobenzene	70.5	100	µg/L	71	19 - 99	Q02869
	2,4-Dinitrotoluene	93.5	100	µg/L	94	48 - 126	Q02869
	2-Chlorophenol	76.2	100	µg/L	76	19 - 104	Q02869
	4-Chloro-3-methylphenol	87.9	100	µg/L	88	35 - 115	Q02869
	4-Nitrophenol	43.5	100	µg/L	43	10 - 116	Q02869
	Acenaphthene	88.0	100	µg/L	88	35 - 112	Q02869
	N-Nitrosodi-n-propylamine	78.6	100	µg/L	79	27 - 105	Q02869
	Pentachlorophenol	105	100	µg/L	105	62 - 119	Q02869
	Phenol	40.5	100	µg/L	41	10 - 93	Q02869
	Pyrene	101	100	µg/L	101	52 - 127	Q02869
110170	1,2,4-Trichlorobenzene	1250	1690	µg/kg	74	26 - 97	Q02901
	1,4-Dichlorobenzene	1180	1690	µg/kg	70	23 - 92	Q02901
	2,4-Dinitrotoluene	1300	1690	µg/kg	77	45 - 127	Q02901
	2-Chlorophenol	1250	1690	µg/kg	74	25 - 94	Q02901
	4-Chloro-3-methylphenol	1320	1690	µg/kg	78	31 - 113	Q02901
	4-Nitrophenol	1240	1690	µg/kg	73	17 - 150	Q02901
	Acenaphthene	1240	1690	µg/kg	73	36 - 107	Q02901
	N-Nitrosodi-n-propylamine	1190	1690	µg/kg	70	22 - 105	Q02901
	Pentachlorophenol	1750	1690	µg/kg	104	39 - 137	Q02901
	Phenol	1170	1690	µg/kg	69	23 - 97	Q02901
	Pyrene	1500	1690	µg/kg	89	45 - 133	Q02901



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### Matrix Spike Duplicate

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
110181	1,2,4-Trichlorobenzene	64.8	100	µg/L	65	21 - 105	13	0 - 36	Q02869
	1,4-Dichlorobenzene	64.1	100	µg/L	64	19 - 99	9	0 - 36	Q02869
	2,4-Dinitrotoluene	90.0	100	µg/L	90	48 - 126	4	0 - 29	Q02869
	2-Chlorophenol	65.3	100	µg/L	65	19 - 104	15	0 - 35	Q02869
	4-Chloro-3-methylphenol	79.6	100	µg/L	80	35 - 115	10	0 - 33	Q02869
	4-Nitrophenol	33.4	100	µg/L	33	10 - 116	26	0 - 50	Q02869
	Acenaphthene	78.5	100	µg/L	79	35 - 112	11	0 - 20	Q02869
	N-Nitrosodi-n-propylamine	70.4	100	µg/L	70	27 - 105	11	0 - 36	Q02869
	Pentachlorophenol	96.7	100	µg/L	97	62 - 119	9	0 - 21	Q02869
	Phenol	29.8	100	µg/L	30	10 - 93	30	0 - 39	Q02869
	Pyrene	96.9	100	µg/L	97	52 - 127	4	0 - 15	Q02869
	1,2,4-Trichlorobenzene	1110	1667	µg/kg	67	26 - 97	11	0 - 37	Q02901
	1,4-Dichlorobenzene	1050	1667	µg/kg	63	23 - 92	12	0 - 36	Q02901
	2,4-Dinitrotoluene	1190	1667	µg/kg	71	45 - 127	9	0 - 29	Q02901
110170	2-Chlorophenol	1120	1667	µg/kg	67	25 - 94	11	0 - 37	Q02901
	4-Chloro-3-methylphenol	1210	1667	µg/kg	73	31 - 113	9	0 - 32	Q02901
	4-Nitrophenol	1180	1667	µg/kg	71	17 - 150	5	0 - 32	Q02901
	Acenaphthene	1170	1667	µg/kg	70	36 - 107	5	0 - 32	Q02901
	N-Nitrosodi-n-propylamine	1000	1667	µg/kg	60	22 - 105	17	0 - 37	Q02901
	Pentachlorophenol	1600	1667	µg/kg	96	39 - 137	9	0 - 27	Q02901
	Phenol	1010	1667	µg/kg	61	23 - 97	14	0 - 42	Q02901
	Pyrene	1400	1667	µg/kg	84	45 - 133	7	0 - 27	Q02901



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Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID: Former Grey Hosiery Mill/Historic Cotton Mill COC Group Number: G0205104  
Date/Time Submitted: 2/3/05 13:15

### Mercury by CVAA, method 7471A

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
Mercury	ND	0.0002	<0.0001	mg/L	
Mercury	0.00006	0.02	<0.01	mg/kg	

Laboratory Control Sample	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
Mercury	0.00541	0.005	mg/L	108	80 - 120	Q02889
Mercury	0.427	0.4090	mg/kg	105	73 - 119	Q02896

Matrix Spike	Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
	110181 Mercury	0.00544	0.005	mg/L	106	80 - 120	Q02889
	110170 Mercury	0.419	0.3985	mg/kg	87	43 - 132	Q02896

Matrix Spike Duplicate	Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
	110181 Mercury	0.00583	0.005	mg/L	114	80 - 120	7	0 - 20	Q02889
	110170 Mercury	0.447	0.4076	mg/kg	92	43 - 132	7	0 - 20	Q02896



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### Metals by ICP, method 6010B

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
Antimony	0.102 #	0.2	<0.1	mg/kg	Q02917
Arsenic	0.0234	0.5	<0.25	mg/kg	Q02917
Beryllium	0.0137	0.25	<0.125	mg/kg	Q02917
Cadmium	0.0027	0.25	<0.125	mg/kg	Q02917
Chromium	0.0895	0.25	<0.125	mg/kg	Q02917
Copper	0.0377	0.5	<0.25	mg/kg	Q02917
Lead	0.0033	0.25	<0.125	mg/kg	Q02917
Nickel	-0.0178	0.5	<0.25	mg/kg	Q02917
Selenium	-0.0257	0.5	<0.25	mg/kg	Q02917
Silver	-0.0017	0.25	<0.125	mg/kg	Q02917
Thallium	-0.107	0.5	<0.25	mg/kg	Q02917
Zinc	0.480	2.5	<1.25	mg/kg	Q02917
Antimony	0.0021	0.01	<0.005	mg/L	Q02951
Arsenic	-0.008	0.01	<0.005	mg/L	Q02951
Beryllium	-0.0014	0.002	<0.001	mg/L	Q02951
Cadmium	-0.0017	0.001	<0.0005	mg/L	Q02951
Chromium	-0.0029	0.005	<0.0025	mg/L	Q02951
Copper	-0.0013	0.01	<0.005	mg/L	Q02951
Lead	-0.0022	0.005	<0.0025	mg/L	Q02951
Nickel	-0.0047	0.01	<0.005	mg/L	Q02951
Selenium	-0.0011	0.02	<0.01	mg/L	Q02951
Silver	-0.0022	0.005	<0.0025	mg/L	Q02951
Thallium	-0.0049	0.01	<0.005	mg/L	Q02951
Zinc	-0.0015	0.01	<0.005	mg/L	Q02951

Laboratory Control Sample	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
Antimony	22.8	25	mg/kg	91	80 - 120	Q02917
Arsenic	22.9	25	mg/kg	92	80 - 120	Q02917
Beryllium	22.7	25	mg/kg	91	80 - 120	Q02917
Cadmium	23.9	25	mg/kg	96	80 - 120	Q02917
Chromium	23.5	25	mg/kg	94	80 - 120	Q02917
Copper	24.7	25	mg/kg	99	80 - 120	Q02917
Lead	23.4	25	mg/kg	94	80 - 120	Q02917
Nickel	22.3	25	mg/kg	89	80 - 120	Q02917
Selenium	23.0	25	mg/kg	92	80 - 120	Q02917
Silver	23.5	25	mg/kg	94	80 - 120	Q02917
Thallium	22.4	25	mg/kg	90	80 - 120	Q02917
Zinc	23.3	25	mg/kg	93	80 - 120	Q02917
Antimony	0.253	0.25	mg/L	101	80 - 120	Q02951



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

## Level II QC Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID:

Former Grey Hosiery  
Mill/Historic Cotton Mill

COC Group Number: G0205104

Date/Time Submitted: 2/3/05 13:15

### Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
Arsenic	0.247	0.25	mg/L	99	80 - 120	Q02951
Beryllium	0.244	0.25	mg/L	98	80 - 120	Q02951
Cadmium	0.258	0.25	mg/L	103	80 - 120	Q02951
Chromium	0.248	0.25	mg/L	99	80 - 120	Q02951
Copper	0.242	0.25	mg/L	97	80 - 120	Q02951
Lead	0.241	0.25	mg/L	96	80 - 120	Q02951
Nickel	0.241	0.25	mg/L	96	80 - 120	Q02951
Selenium	0.242	0.25	mg/L	97	80 - 120	Q02951
Silver	0.259	0.25	mg/L	104	80 - 120	Q02951
Thallium	0.245	0.25	mg/L	98	80 - 120	Q02951
Zinc	0.239	0.25	mg/L	96	80 - 120	Q02951

### Matrix Spike

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
110170	Antimony	5.32	25	mg/kg	22 #	75 - 125	Q02917
	Arsenic	19.5	25	mg/kg	74 #	75 - 125	Q02917
	Beryllium	21.6	25	mg/kg	85	75 - 125	Q02917
	Cadmium	21.8	25	mg/kg	87	75 - 125	Q02917
	Chromium	25.5	25	mg/kg	84	75 - 125	Q02917
	Copper	25.5	25	mg/kg	99	75 - 125	Q02917
	Lead	30.5	25	mg/kg	80	75 - 125	Q02917
	Nickel	24.5	25	mg/kg	86	75 - 125	Q02917
	Selenium	21.3	25	mg/kg	83	75 - 125	Q02917
	Silver	22.6	25	mg/kg	91	75 - 125	Q02917
	Thallium	19.1	25	mg/kg	81	75 - 125	Q02917
	Zinc	33.3	25	mg/kg	90	75 - 125	Q02917
110181	Antimony	0.262	0.25	mg/L	103	75 - 125	Q02951
	Arsenic	0.256	0.25	mg/L	102	75 - 125	Q02951
	Beryllium	0.256	0.25	mg/L	103	75 - 125	Q02951
	Cadmium	0.248	0.25	mg/L	100	75 - 125	Q02951
	Chromium	0.254	0.25	mg/L	103	75 - 125	Q02951
	Copper	0.249	0.25	mg/L	100	75 - 125	Q02951
	Lead	0.245	0.25	mg/L	102	75 - 125	Q02951
	Nickel	0.412	0.25	mg/L	103	75 - 125	Q02951
	Selenium	0.244	0.25	mg/L	98	75 - 125	Q02951
	Silver	0.248	0.25	mg/L	100	75 - 125	Q02951
	Thallium	0.247	0.25	mg/L	100	75 - 125	Q02951
	Zinc	0.274	0.25	mg/L	99	75 - 125	Q02951

\* Analysis Note for Antimony: Recovery is below control limit. Matrix interference is suspected.

\* Analysis Note for Arsenic: Recovery is below control limit. Matrix interference is suspected.



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

## Level II QC Report

2/15/05

Hart & Hickman  
Attn: Chad Grubbs  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project ID:

Former Grey Hosiery  
Mill/Historic Cotton Mill

COC Group Number: G0205104

Date/Time Submitted: 2/3/05 13:15

### Matrix Spike Duplicate

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID	
110170	Antimony	6.30	25	mg/kg	26	#	75 - 125	17	0 - 20	Q02917
	Arsenic	20.4	25	mg/kg	78		75 - 125	5	0 - 20	Q02917
	Beryllium	22.5	25	mg/kg	89		75 - 125	4	0 - 20	Q02917
	Cadmium	22.8	25	mg/kg	91		75 - 125	4	0 - 20	Q02917
	Chromium	26.9	25	mg/kg	89		75 - 125	5	0 - 20	Q02917
	Copper	26.8	25	mg/kg	104		75 - 125	5	0 - 20	Q02917
	Lead	31.4	25	mg/kg	84		75 - 125	3	0 - 20	Q02917
	Nickel	25.8	25	mg/kg	91		75 - 125	5	0 - 20	Q02917
	Selenium	22.2	25	mg/kg	87		75 - 125	4	0 - 20	Q02917
	Silver	23.8	25	mg/kg	95		75 - 125	5	0 - 20	Q02917
	Thallium	19.8	25	mg/kg	83		75 - 125	4	0 - 20	Q02917
	Zinc	35.3	25	mg/kg	98		75 - 125	6	0 - 20	Q02917
110181	Antimony	0.267	0.25	mg/L	105		75 - 125	2	0 - 20	Q02951
	Arsenic	0.263	0.25	mg/L	105		75 - 125	3	0 - 20	Q02951
	Beryllium	0.257	0.25	mg/L	103		75 - 125	0	0 - 20	Q02951
	Cadmium	0.252	0.25	mg/L	101		75 - 125	2	0 - 20	Q02951
	Chromium	0.254	0.25	mg/L	103		75 - 125	0	0 - 20	Q02951
	Copper	0.252	0.25	mg/L	101		75 - 125	1	0 - 20	Q02951
	Lead	0.247	0.25	mg/L	102		75 - 125	1	0 - 20	Q02951
	Nickel	0.410	0.25	mg/L	102		75 - 125	0	0 - 20	Q02951
	Selenium	0.247	0.25	mg/L	99		75 - 125	1	0 - 20	Q02951
	Silver	0.251	0.25	mg/L	101		75 - 125	1	0 - 20	Q02951
	Thallium	0.250	0.25	mg/L	101		75 - 125	1	0 - 20	Q02951
	Zinc	0.274	0.25	mg/L	99		75 - 125	0	0 - 20	Q02951



# CHAIN OF CUSTODY RECORD

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING: 1/26/05

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543

Phone: 704/529-6344 • Fax: 704/525-0409

Client Company Name: A&N

Report To/Contact Name: \_\_\_\_\_

Reporting Address: See p. 1

Phone: \_\_\_\_\_

Email (Yes) (No) Email Address: \_\_\_\_\_

EDD Type:  PDF  Excel  Other

Site Location Name: \_\_\_\_\_

Site Location Physical Address: \_\_\_\_\_

Project Name: Grey Hosue Mill / historic button mtn  
 Short Hold Analysis:  (Yes)  (No) UST Project:  (Yes)  (No)  
 \*Please ATTACH any project specific reporting (QC LEVEL I II III IV)  
 provisions and/or QC Requirements

Invoice To: \_\_\_\_\_

Address: \_\_\_\_\_

Fax (Yes) (No): \_\_\_\_\_

Phone: \_\_\_\_\_

Other: \_\_\_\_\_

Purchase Order No./Billing Reference: 105-00

Requested Due Date  1 Day  2 Days  3 Days  4 Days  5 Days  
 "Working Days"  6-9 Days  Standard 10 days

Samples received after 15:00 will be processed next business day.  
 Turnaround time is based on business days, excluding weekends and holidays.  
 (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

CLIENT DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER	PRESER- VATIVES SEE BELOW	NO.	SIZE	ANALYSES REQUESTED		REMARKS	PRISM LAB ID NO.
								Type	No.		
GHM MW-3	2/2/05	1030	W	VDA	3	4ml	1022	X	X	Analytes (only) not MD on	1101B0
GHM MW-4	2/2/05	1100	W	Ag/VA/P	10	1/4 oz/4mL	1017e	X	X	not MD on	1101B1
GHM MW-5	2/2/05	1130	W	VDA	3	4ml	N/C	X	X	Lab Selected Sample	1101B2
GHM MW-6	2/2/05	1200	W	Ag/VA/P	10	1/4 oz/4mL	1017e	X	X	↑ for all parameters (Gu)	1101B3
HCM MW-1	2/2/05	1600	W	Ag/VA/P	10	1/4 oz/4mL	Neft	X	X		1101B4
HCM Dup-1	2/2/05	—	W	Ag/VA/P	10	1/4 oz/4mL	Tef	X	X		1101B5
GHM Trip	—	—	W	VDA	3	4ml	1022e	X	X		1101B6

Sampler's Signature: Bob G Sampled By (Print Name): Bob G Affiliation: \_\_\_\_\_

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

## PRESS DOWN FIRMLY - 3 COPIES

### PRISM USE ONLY

Site Arrival Time: \_\_\_\_\_

Site Departure Time: \_\_\_\_\_

FieldTech Fee: \_\_\_\_\_

Mileage: \_\_\_\_\_

Any sample (mw-1 mw-4 or

of Ground water)

Site Arr. with:

Ground water

TERMS & CONDITIONS

SEE REVERSE FOR

ORIGINAL

### PRISM USE ONLY

Additional Comments: \_\_\_\_\_

Date: 2/3/05 Military Hours: 1220  
 Date: 2/3/05 Military Hours: 1220

Received By: Bob G

Method of Transport: Hand-delivered

Reinforced By: Bob G

Received For Prism Laboratories By: Bob G

Method of Transport: Hand-delivered

Reinforced By: Bob G

Received For Prism Laboratories By: Bob G

Method of Transport: Hand-delivered

Reinforced By: Bob G

**Appendix B**

**Monitoring Well Borings Logs and Well Construction Records**

## WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) \_\_\_\_\_ CERTIFICATION # 2576

WELL CONTRACTOR COMPANY NAME Subsurface Environmental Invest. PHONE # 704-876-0010

STATE WELL CONSTRUCTION PERMIT# \_\_\_\_\_ ASSOCIATED WQ PERMIT# \_\_\_\_\_  
(if applicable) (if applicable)

1. WELL USE (Check Applicable Box): Residential  Municipal/Public  Industrial  Agricultural   
Monitoring  Recovery  Heat Pump Water Injection  Other  If Other, List Use \_\_\_\_\_

2. WELL LOCATION:

Nearest Town: Hendersonville County Henderson  
301 Forth Ave East  
(Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land setting

Ridge Slope Valley Flat  
(check appropriate box)

Latitude/longitude of well location

(degrees/minutes/seconds)

Latitude/longitude source: GPS Topographic map  
(check box)

3. OWNER: City of Hendersonville  
Address \_\_\_\_\_  
(Street or Route No.)

DEPTH DRILLING LOG

From To Formation Description

- City or Town State Zip Code  
(\_\_\_\_)-  
Area code- Phone number  
4. DATE DRILLED 1-31-05 & 2-01-05  
5. TOTAL DEPTH: 25  
6. DOES WELL REPLACE EXISTING WELL? YES  NO   
7. STATIC WATER LEVEL Below Top of Casing: \_\_\_\_\_ FT.  
(Use "+" if Above Top of Casing)  
8. TOP OF CASING IS 0.0 FT. Above Land Surface\*  
\*Top of casing terminated at/or below land surface requires a  
variance in accordance with 15A NCAC 2C .0118.  
9. YIELD (gpm): N/A METHOD OF TEST N/A  
10. WATER ZONES (depth): N/A

LOCATION SKETCH

Show direction and distance in miles from at least  
two State Roads or County Roads. Include the road  
numbers and common road names.

Old Textile Mill  
301 Forth Ave. East  
Hendersonville, NC

11. DISINFECTION: Type N/A Amount \_\_\_\_\_  
12. CASING: Depth Diameter Wall Thickness  
From 15 To 0 Ft. .15" sch40 pvc  
From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_  
From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_  
13. GROUT: Depth Material Method  
From 8 To 0 Ft. portland tremie  
From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_  
14. SCREEN: Depth Diameter Slot Size Material  
From 25 To 15 Ft. .15 in. .010 in. pvc  
From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_ in. \_\_\_\_\_  
15. SAND/GRAVEL PACK:  
Depth Size Material  
From 25 To 13 Ft. 10/30 silica 25'-15' prepack screen  
From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_

16. REMARKS: Bentonite to MW-- /

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL  
CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Larry Teague  
SIGNATURE OF PERSON CONSTRUCTING THE WELL

2-21-05  
DATE

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC  
27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 07/2001

## WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print)

CERTIFICATION # 2576

WELL CONTRACTOR COMPANY NAME Subsurface Environmental Invest. PHONE # 704-876-0010

STATE WELL CONSTRUCTION PERMIT#  
(if applicable)

ASSOCIATED WQ PERMIT#  
(if applicable)

1. WELL USE (Check Applicable Box): Residential  Municipal/Public  Industrial  Agricultural   
Monitoring  Recovery  Heat Pump Water Injection  Other  If Other, List Use \_\_\_\_\_

2. WELL LOCATION:

Nearest Town: Hendersonville County Henderson  
301 Farth Ave East  
(Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

3. OWNER: City of Hendersonville  
Address \_\_\_\_\_  
(Street or Route No.)

City or Town	State	Zip Code
<u>(      )</u>		

Area code- Phone number

4. DATE DRILLED 1-31-05 & 2-01-05

5. TOTAL DEPTH: 25

6. DOES WELL REPLACE EXISTING WELL? YES  NO

7. STATIC WATER LEVEL Below Top of Casing: \_\_\_\_\_ FT.  
(Use "+" if Above Top of Casing)

8. TOP OF CASING IS 0.0 FT. Above Land Surface\*

\*Top of casing terminated at/or below land surface requires a  
variance in accordance with 15A NCAC 2C .0118.

9. YIELD (gpm): N/A METHOD OF TEST N/A

10. WATER ZONES (depth): N/A

11. DISINFECTION: Type N/A Amount \_\_\_\_\_

12. CASING: Depth Diameter Wall Thickness or Weight/Ft. Material

From 15 To 0 Ft. .15 sch40 pvc

From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_

From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_

13. GROUT: Depth Material Method

From 8 To 0 Ft. portland tremie

From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_

14. SCREEN: Depth Diameter Slot Size Material

From 25 To 15 Ft. .15 in. .010 in. pvc

From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_ in. \_\_\_\_\_

15. SAND/GRAVEL PACK:

Depth Size Material

From 25 To 17 Ft. 10/30 silica

From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_

16. REMARKS: Bentonite to MW--2

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Jerry Teague  
SIGNATURE OF PERSON CONSTRUCTING THE WELL

2-21-05  
DATE

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC  
27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 07/2001

## WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) \_\_\_\_\_ CERTIFICATION # 2576

WELL CONTRACTOR COMPANY NAME Subsurface Environmental Invest, PHONE # 704-876-0010

STATE WELL CONSTRUCTION PERMIT# \_\_\_\_\_ ASSOCIATED WQ PERMIT# \_\_\_\_\_  
(if applicable) \_\_\_\_\_ (if applicable) \_\_\_\_\_

1. WELL USE (Check Applicable Box): Residential  Municipal/Public  Industrial  Agricultural   
Monitoring  Recovery  Heat Pump Water Injection  Other  If Other, List Use \_\_\_\_\_

2. WELL LOCATION:

Nearest Town: Hendersonville County Henderson  
301 Forth Ave East  
(Street Name, Number, Community, Subdivision, Lot No., Zip Code)

3. OWNER: City of Hendersonville  
Address \_\_\_\_\_  
(Street or Route No.)

City or Town State Zip Code  
( ) \_\_\_\_\_

Area code- Phone number

4. DATE DRILLED 1-31-05 & 2-01-05

5. TOTAL DEPTH: 25

6. DOES WELL REPLACE EXISTING WELL? YES  NO

7. STATIC WATER LEVEL Below Top of Casing: \_\_\_\_\_ FT.  
(Use "+" if Above Top of Casing)

8. TOP OF CASING IS 0.0 FT. Above Land Surface\*

\*Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C .0118.

9. YIELD (gpm): N/A METHOD OF TEST N/A

10. WATER ZONES (depth): N/A

11. DISINFECTION: Type N/A Amount \_\_\_\_\_

12. CASING: Depth Diameter Wall Thickness or Weight/Ft. Material

From 15 To 0 Ft 1.5 sch40 pvc

From \_\_\_\_\_ To \_\_\_\_\_ Ft \_\_\_\_\_

From \_\_\_\_\_ To \_\_\_\_\_ Ft \_\_\_\_\_

13. GROUT: Depth Material Method

From 8 To 0 Ft portland tremie

From \_\_\_\_\_ To \_\_\_\_\_ Ft \_\_\_\_\_

14. SCREEN: Depth Diameter Slot Size Material

From 25 To 15 Ft 1.5 in. .010 in. pvc

From \_\_\_\_\_ To \_\_\_\_\_ Ft \_\_\_\_\_ in. \_\_\_\_\_

15. SAND/GRAVEL PACK:

Depth Size Material

From 25 To 17 Ft 10/30 silica 25'-15' prepack screen

From \_\_\_\_\_ To \_\_\_\_\_ Ft \_\_\_\_\_

16. REMARKS: Bentonite to MW-- 3

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Jerry Teague 2-21-05  
SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC  
27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 07/2001

## WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print)

CERTIFICATION # 2576

WELL CONTRACTOR COMPANY NAME Subsurface Environmental Invest, PHONE # 704-876-0010

STATE WELL CONSTRUCTION PERMIT# \_\_\_\_\_

ASSOCIATED WQ PERMIT# \_\_\_\_\_

(if applicable)

(if applicable)

1. WELL USE (Check Applicable Box): Residential  Municipal/Public  Industrial  Agricultural   
Monitoring  Recovery  Heat Pump Water Injection  Other  If Other, List Use \_\_\_\_\_

2. WELL LOCATION:

Nearest Town: Hendersonville County Henderson  
301 Forth Ave East  
(Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land setting

Ridge Slope Valley Flat  
(check appropriate box)

Latitude/longitude of well location

3. OWNER: City of Hendersonville

Address \_\_\_\_\_  
(Street or Route No.)

(degrees/minutes/seconds)

Latitude/longitude source: GPS Topographic map  
(check box)

DEPTH

From \_\_\_\_\_ To \_\_\_\_\_

DRILLING LOG

Formation Description

City or Town State Zip Code  
( )

Area code- Phone number

4. DATE DRILLED 1-31-05 & 2-01-05

5. TOTAL DEPTH: 25

6. DOES WELL REPLACE EXISTING WELL? YES  NO

7. STATIC WATER LEVEL Below Top of Casing: \_\_\_\_\_ FT.

(Use "+" if Above Top of Casing)

8. TOP OF CASING IS 0.0 FT. Above Land Surface\*

\*Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C .0118.

9. YIELD (gpm): N/A METHOD OF TEST N/A

10. WATER ZONES (depth): N/A

### LOCATION SKETCH

Show direction and distance in miles from at least two State Roads or County Roads. Include the road numbers and common road names.

Old Textile Mill  
301 Forth Ave. East  
Hendersonville, NC

11. DISINFECTION: Type N/A Amount \_\_\_\_\_

12. CASING:

From	To	Depth	Diameter	Wall Thickness	or Weight/Ft.	Material
<u>15</u>	<u>0</u>	<u>Ft.</u>	<u>.15</u>	<u>sch40</u>	<u>pvc</u>	
From	To	Ft.				
From	To	Ft.				

13. GROUT: Depth Material Method  
From 8 To 0 Ft. portland tremie

From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_

14. SCREEN: Depth Diameter Slot Size Material  
From 25 To 15 Ft. .15 in. .010 in. PVC

From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_ in. \_\_\_\_\_ in.

15. SAND/GRAVEL PACK: Depth Size Material  
From 25 To 17 Ft. 10/30 silica

From \_\_\_\_\_ To \_\_\_\_\_ Ft. \_\_\_\_\_

16. REMARKS: Bentonite to MW-- 4

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Lenny Teague

SIGNATURE OF PERSON CONSTRUCTING THE WELL

2-21-05

DATE

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC  
27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 07/2001

## WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section  
 WELL CONTRACTOR (INDIVIDUAL) NAME (print) \_\_\_\_\_ CERTIFICATION # 2576  
 WELL CONTRACTOR COMPANY NAME Subsurface Environmental Invest., PHONE # 704-876-0010  
 STATE WELL CONSTRUCTION PERMIT# \_\_\_\_\_ ASSOCIATED WQ PERMIT# \_\_\_\_\_  
 (if applicable) (if applicable)

1. WELL USE (Check Applicable Box): Residential  Municipal/Public  Industrial  Agricultural   
 Monitoring  Recovery  Heat Pump Water Injection  Other  If Other, List Use \_\_\_\_\_

2. WELL LOCATION:  
 Nearest Town: Hendersonville County Henderson  
301 Forth Ave East  
 (Street Name, Number, Community, Subdivision, Lot No., Zip Code)

3. OWNER: City of Hendersonville  
 Address \_\_\_\_\_  
 (Street or Route No.)

City or Town State Zip Code  
 ( )  
 Area code- Phone number

4. DATE DRILLED 1-31-05 & 2-01-05

5. TOTAL DEPTH: 25

6. DOES WELL REPLACE EXISTING WELL? YES  NO

7. STATIC WATER LEVEL Below Top of Casing: \_\_\_\_\_ FT.  
 (Use "+" if Above Top of Casing)

8. TOP OF CASING IS 0.0 FT. Above Land Surface\*

\*Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C .0118.

9. YIELD (gpm): N/A METHOD OF TEST N/A

10. WATER ZONES (depth): N/A

11. DISINFECTION: Type N/A Amount \_\_\_\_\_

12. CASING: Depth Diameter Wall Thickness Material

From <u>15</u>	To <u>0</u>	Depth <u>1.5</u>	Diameter <u>sch40</u>	Wall Thickness <u>pvc</u>
From _____	To _____	Ft. _____	_____	_____
From _____	To _____	Ft. _____	_____	_____

13. GROUT: Depth Material Method

From <u>8</u>	To <u>0</u>	Depth <u>portland</u>	Material <u>tremie</u>
From _____	To _____	Ft. _____	_____

14. SCREEN: Depth Diameter Slot Size Material

From <u>25</u>	To <u>15</u>	Depth <u>1.5</u>	Diameter <u>.010</u>	Slot Size <u>in.</u>	Material <u>pvc</u>
From _____	To _____	Ft. _____	_____	_____	_____

15. SAND/GRAVEL PACK:

From <u>25</u>	To <u>13</u>	Depth <u>10/30</u>	Size <u>silica</u>	Material <u>25'-15' prepack screen</u>
From _____	To _____	Ft. _____	_____	_____

16. REMARKS: Bentonite to MW-- 5

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Lenny Teague 2-21-05  
 SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC  
 27699-1636 Phone No. (919) 733-3221, within 30 days. GW-1 REV. 07/2001

## WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) \_\_\_\_\_ CERTIFICATION # 2576

WELL CONTRACTOR COMPANY NAME Subsurface Environmental Invest., PHONE # 704-876-0010

STATE WELL CONSTRUCTION PERMIT# \_\_\_\_\_ ASSOCIATED WQ PERMIT# \_\_\_\_\_  
(if applicable) (if applicable)

1. WELL USE (Check Applicable Box): Residential  Municipal/Public  Industrial  Agricultural   
Monitoring  Recovery  Heat Pump Water Injection  Other  If Other, List Use \_\_\_\_\_

2. WELL LOCATION:

Nearest Town: Hendersonville County Henderson  
301 Forth Ave East  
(Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

3. OWNER: City of Hendersonville

Address \_\_\_\_\_  
(Street or Route No.)

City or Town	State	Zip Code
( )		

Area code- Phone number

4. DATE DRILLED 1-31-05 & 2-01-05

5. TOTAL DEPTH: 25

6. DOES WELL REPLACE EXISTING WELL? YES  NO

7. STATIC WATER LEVEL Below Top of Casing: \_\_\_\_\_ FT.  
(Use "+" if Above Top of Casing)

8. TOP OF CASING IS 0.0 FT. Above Land Surface\*

\*Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C .0118.

9. YIELD (gpm): N/A METHOD OF TEST N/A

10. WATER ZONES (depth): N/A

11. DISINFECTION: Type N/A Amount \_\_\_\_\_

12. CASING: Depth Diameter Wall Thickness or Weight/Ft. Material

From	To	Depth	Diameter	Wall Thickness	or Weight/Ft.	Material
<u>15</u>	<u>0</u>	<u>Ft.</u>	<u>.15</u>	<u>Sch40</u>	<u>pvc</u>	
From	To	Ft.				
From	To	Ft.				

13. GROUT: Depth Material Method

From	To	Depth	Material	Method
<u>8</u>	<u>0</u>	<u>Ft.</u>	<u>portland</u>	<u>tremie</u>
From	To	Ft.		

14. SCREEN: Depth Diameter Slot Size Material

From	To	Depth	Diameter	Slot Size	Material
<u>25</u>	<u>15</u>	<u>Ft.</u>	<u>.15</u>	<u>.010 in.</u>	<u>pvc</u>
From	To	Ft.			

15. SAND/GRAVEL PACK: Depth Size Material

From	To	Depth	Size	Material
<u>25</u>	<u>17</u>	<u>Ft.</u>	<u>10/30</u>	<u>silica</u>
From	To	Ft.		

16. REMARKS: Bentonite to MW-- 6

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Lenny Teague 2-21-05  
SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC  
27699-1636 Phone No. (919) 733-3221, within 30 days. GW-1 REV. 07/2001



# Hart & Hickman

A Professional Corporation

2923 South Tryon Street, Suite 100  
Charlotte, North Carolina  
(704)386-0007 (704)386-0373-fax

## **LOG OF BORING:**

Sheet / of /

Completion Depth: 25%

Date Boring Started: 1/31/05

Date Boring Completed: 11/31/05

Engineer/Geologist: Chand Grubbs, PG

Drilling Contractor: Subsurface Environmental Investigations

**Remarks:**

Revision	Drawn By	Date	Checked	Approved
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Hart & Hickman  
A Professional Corporation

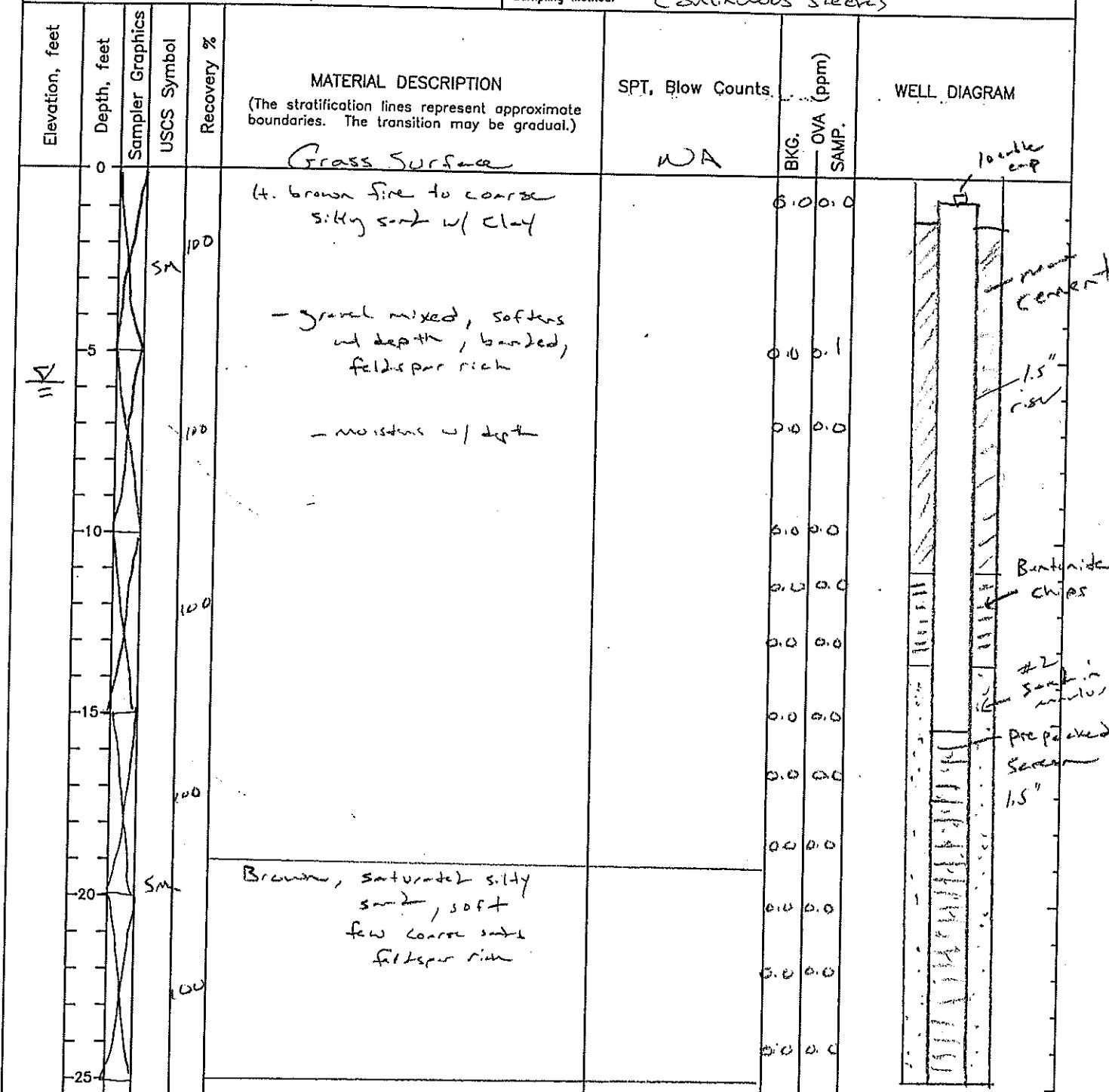
1923 South Tryon Street, Suite 100  
Charlotte, North Carolina  
(704)386-0007 (704)386-0373-fax

# LOG OF BORING: MW-2

Sheet 1 of 1

Project: Former Grey Hosiery Mill  
Job No: LOS-001  
Location: Hendersonville, NC

Surface Elev: NA  
Top of Casing Elev: NA  
Drilling Rig/Method: Geo probe 6620 DT  
Sampling Method: Continuous sleeves



Completion Depth: 25'  
Date Boring Started: 1/31/05  
Date Boring Completed: 1/31/05  
Engineer/Geologist: CM-J Grubbs, PC  
Drilling Contractor: Subsurface Environmental Invest.

Remarks:

Revision	Drawn By	Date	Checked	Approved
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Hart & Hickman  
A Professional Corporation

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

Sheet 1 of 1

# LOG OF BORING: MW-3

Project: Former Gray Hosiery Mill  
Job No: LOS-001  
Location: Hendersonville, NC

Surface Elev: NA

Top of Casing Elev: NA

Drilling Rig/Method: Geoprobe 66ZODT

Sampling Method: Continuous Sieves

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. OVA (ppm)	OVA SAMP.	WELL DIAGRAM
0	0				Gravel surface	NA			
-5	4.5	X			brown to gray fine sandy clay, soft plastic		0.0	0.0	
-5	5				- silt content increases		0.0	0.0	
-5	6				- (loamy) mixture, soft		0.0	0.0	
-10	10	SM			Soils saturated, more white color, sandy silt, white to grey color banding		0.0	0.0	
-10	11				- feldspar gravels mixed		0.0	0.0	
-10	12				- gravel zone (0.5-1 ft) very saturated		0.0	0.0	
-10	13				- color more brown		0.0	0.0	
-20	20						0.0	0.0	
-25	25						0.0	0.0	

Completion Depth: 25'  
Date Boring Started: 1/31/05

Date Boring Completed: 1/31/05

Engineer/Geologist: Chuck Givens, PE

Drilling Contractor: Subsurface Environmental, Inc.

Remarks:

Revision	Drawn By	Date	Checked	Approved
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Charlotte, North Carolina  
(704)386-0007 (704)386-0373-Fax

Sheet / of /

# LOG OF BORING: MW-4

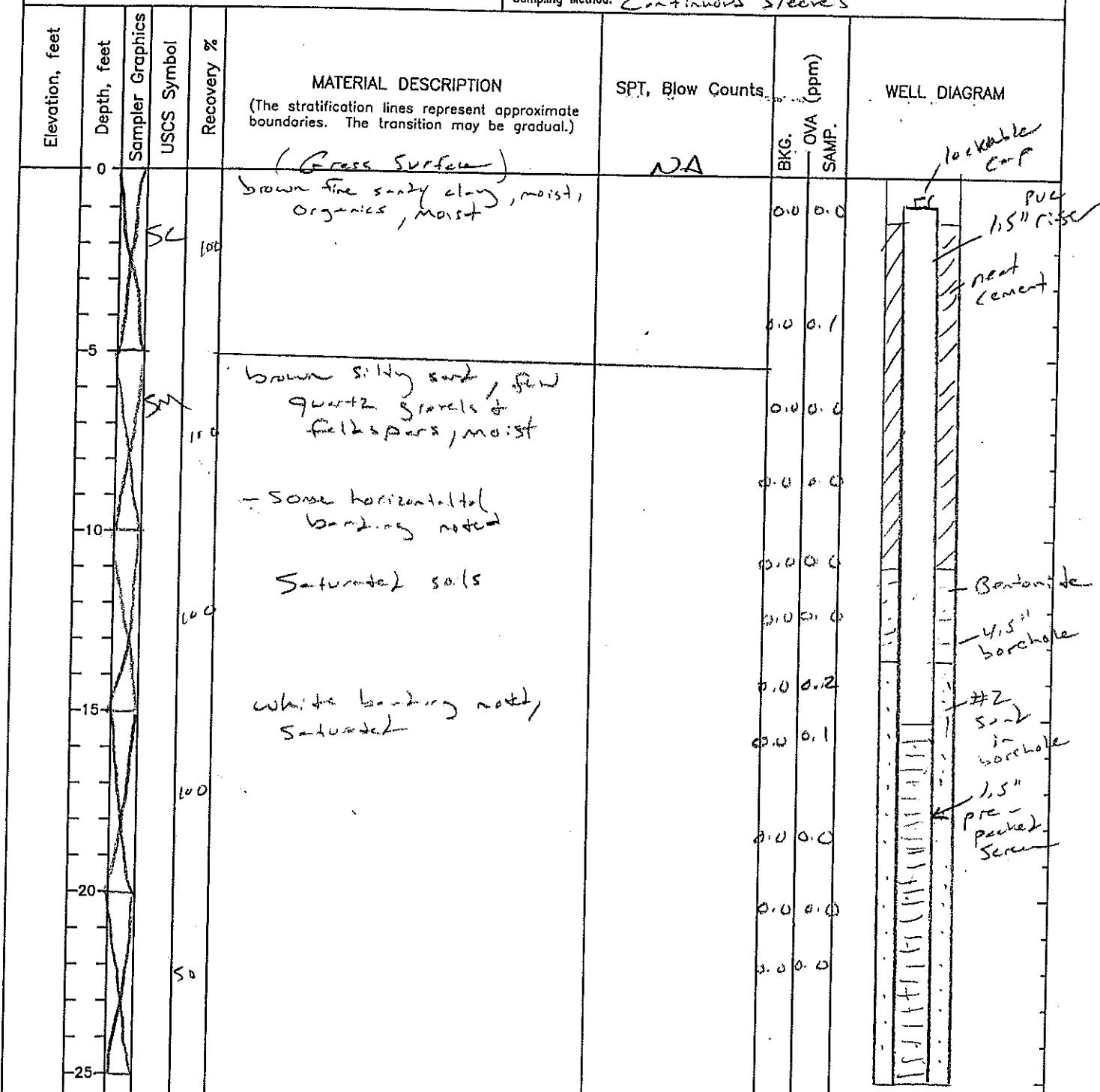
Project: Former Grey Hosiery Mill  
Job No: LOS-001  
Location: Hendersonville, NC

Surface Elev: NC

Top of Casing Elev: NC

Drilling Rig/Method: Geoprobe Cola 20 DT

Sampling Method: Continuous Slices



Completion Depth: 25'  
Date Boring Started: 1/31/05  
Date Boring Completed: 1/31/05  
Engineer/Geologist: Chey Grubbs, PG  
Drilling Contractor: Subsurface Environmental (Invest.)

Remarks:

Revision	Drawn By	Date	Checked	Approved
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A Professional Corporation

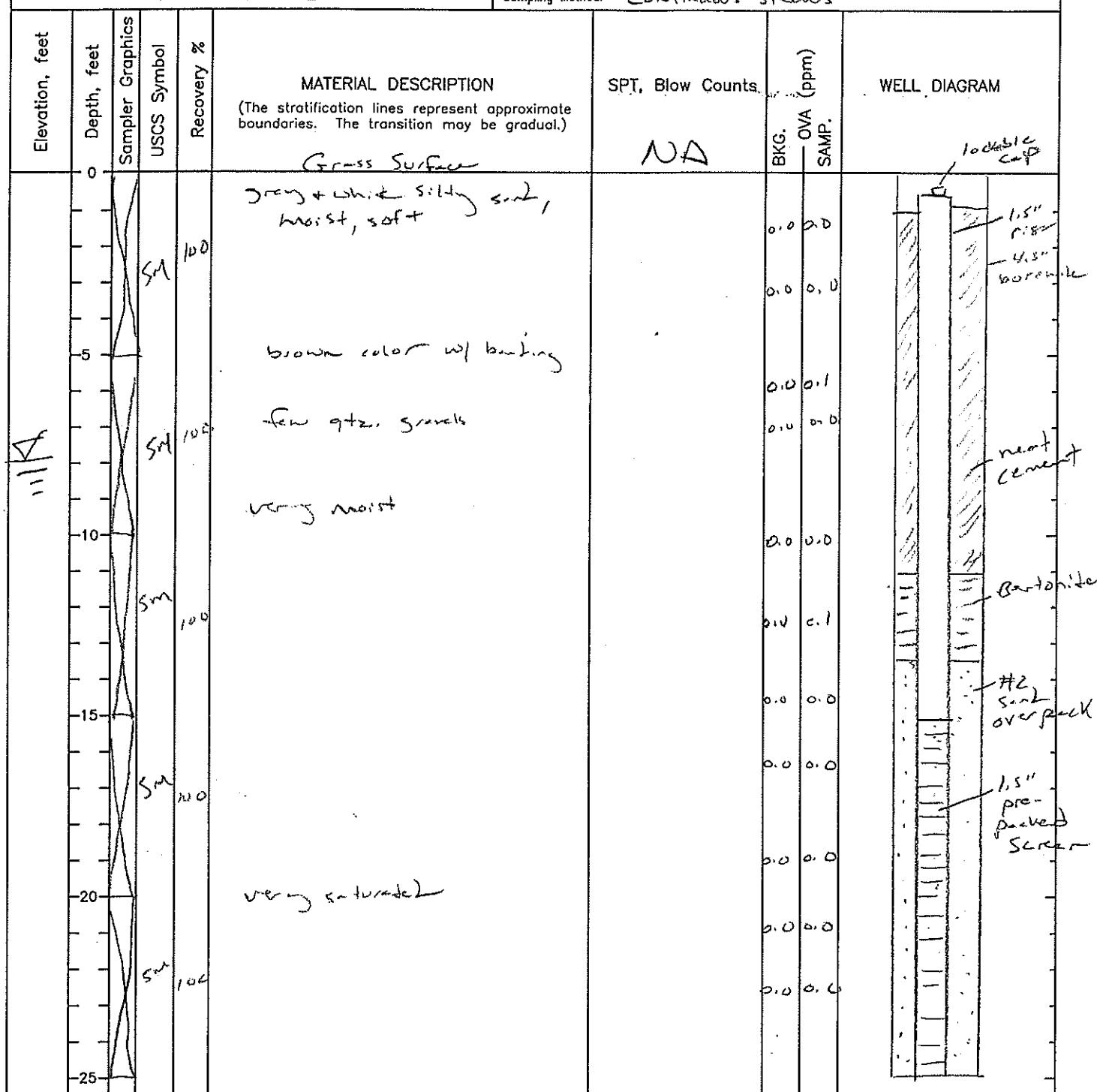
2923 South Tryon Street, Suite 100  
Charlotte, North Carolina  
(704)386-0007 (704)386-0373-fax

Sheet / of /

# LOG OF BORING: MW-5

Project: Former Grey Hosiery Mill  
Job No: LOS-001  
Location: Hendersonville, NC

Surface Elev: NA  
Top of Casing Elev: NA  
Drilling Rig/Method: Geoprobe G620DT  
Sampling Method: Continuous Sieves



Completion Depth: 25'

Date Boring Started: 11/31/05

Date Boring Completed: 11/31/05

Engineer/Geologist: Chad Grubbs, PG

Drilling Contractor: Subsurface Environmental Investigations

Remarks:

Revision	Drawn By	Date	Checked	Approved
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Hart & Hickman  
A Professional Corporation

2923 South Tryon Street, Suite 100  
Charlotte, North Carolina  
(704)386-0007 (704)386-0373-fax

# LOG OF BORING: MW-6

Sheet / of /

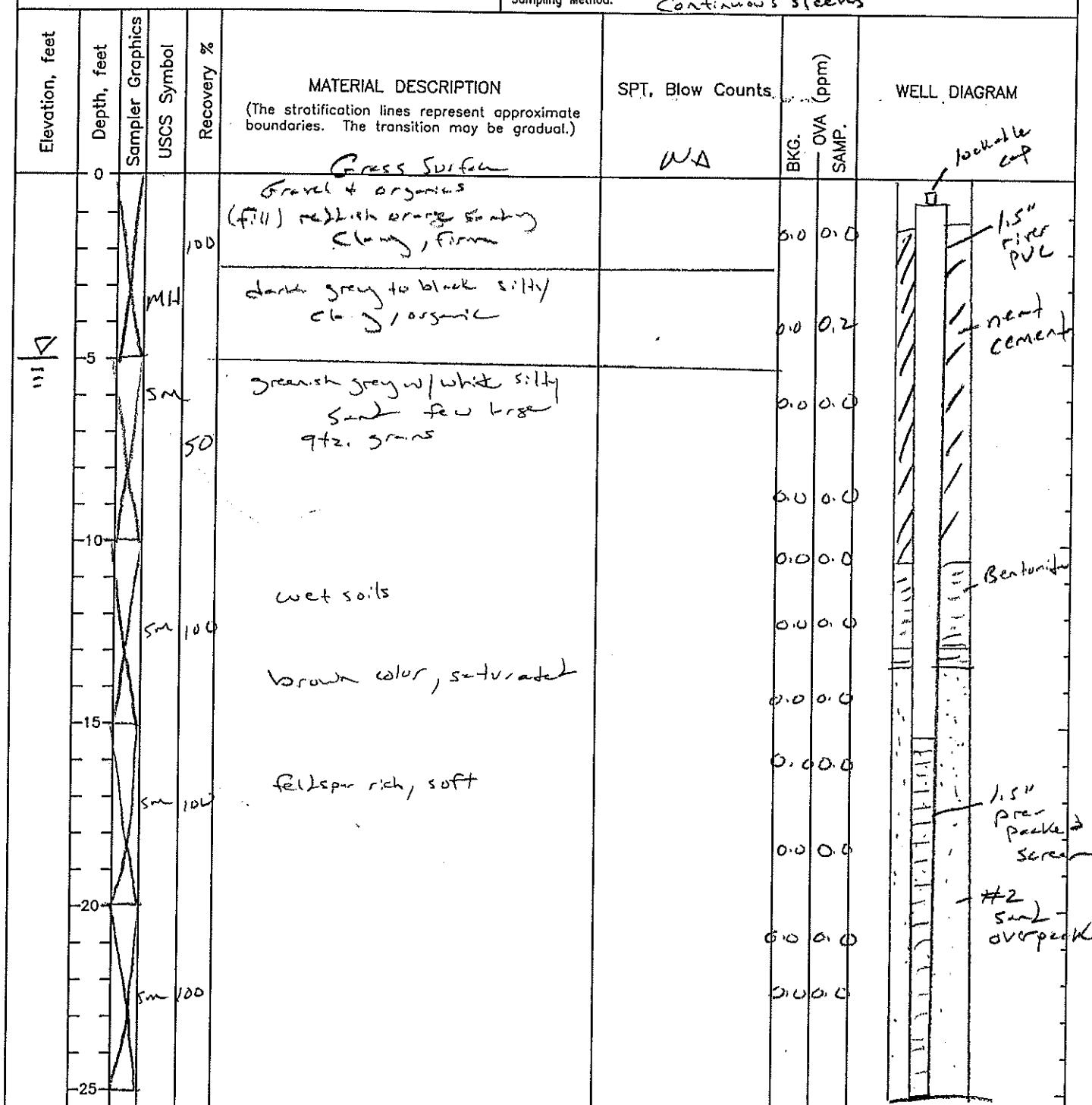
Project: former Grey Hosiery Mill  
Job No: LOS-001  
Location: Hendersonville, NC

Surface Elev: NA

Top of Casing Elev: NA

Drilling Rig/Method: GeoProbe 6620 DT

Sampling Method: Continuous sleeves



Completion Depth: 25'

Date Boring Started: 2/1/05

Date Boring Completed: 2/1/05

Engineer/Geologist: Charly Gribble, PG

Drilling Contractor: Subsurface Environmental Investigations

Remarks:

Revision	Drawn By	Date	Checked	Approved
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## **Appendix C**

### **DENR Scope-of-Work**



## North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor  
William G. Ross Jr., Secretary

July 26, 2004

Sent Via E-mail and USPS

Ms. Brenda Coates  
The Old Mill Arts Committee  
c/o Henderson County Arts Council  
401 North Main Street, 2<sup>nd</sup> Floor  
Hendersonville, North Carolina 28792  
Email: brendcoates@msn.com

Subject: Revised Request for Additional Environmental Assessment  
Grey Hosiery Mill Brownfields Project  
Hendersonville, Henderson County, North Carolina

Dear Ms. Coates:

The North Carolina Department of Environment and Natural Resources (DENR) issued a letter Request for Additional Environmental Assessment, dated April 23, 2004. In this letter DENR requested: an updated Phase I Environmental Site Assessment (Phase I ESA), completion of the DENR provided Receptor Survey, and Phase II site investigation activities based on the updated Phase I ESA. This letter is an update to the additional site investigation activities requested. Based on the available environmental data for the former Grey Hosiery Mill property located at 301 Fourth Avenue East in Hendersonville, Henderson County, including the updated Phase I ESA, it has been determined that there are gaps in the data. These gaps prohibit DENR from being able to conclude that the site is or can be made safe for the Old Mill Arts Committee's use of the property as a performing arts center. The following outlines our requirements to work toward closing the data gaps and ultimately obtaining the brownfields agreement.

Additional Assessment

As previously stated in the DENR letter dated April 23, 2004, contamination, in the form of volatile organic compounds (VOCs), was detected in only two of the temporary wells. However, because vapor from the VOCs that were detected can cause indoor air problems associated with vapor intrusion into structures, additional groundwater sampling will be required to better understand the possible source(s) of the detected contaminants, and their distribution in both soil and groundwater at the site.

To accomplish this a total of six monitoring wells should be installed using a direct-push rig that bores a 4" hole to a depth of 25 feet below ground surface, completing the well with a pre-packaged well casing/screen/sand pack/bentonite plug. This method of well installation is considerably cheaper than auger installation and is capable of obtaining representative samples of metals and other constituents that cannot be accurately measured using one-time direct push samples or open hole hand-augered water wells. Collect continuous soil samples for field screening and record the soil lithology. One soil sample and one groundwater sample from each location will be submitted to a North Carolina certified laboratory and analyzed for VOCs. Three of the soil and groundwater samples shall be analyzed for semi-volatile organic compounds (SVOCs), pesticides/ polychlorinated biphenyls (PCBs), and Hazardous Substance List (HSL\*) metals as described in the NC Superfund Section's *Inactive Sites Program Guidelines for Assessment and Cleanup* August 2003. (<http://www.wastenotnc.org/sfhome/stateleadguidance.pdf>). Selection of these three soil and groundwater samples should be based on field screening results such as monitoring with a Photo Ionization Detector (PID) for vapor analysis. See the table below for a summary of analytical samples.

Sample Summary Table

Analysis for:	Sample media – Soil Number of samples	Sample media – Groundwater Number of samples
VOCs	6	6
SVOCs	3	3
Pesticides/PCBs	3	3
HSL Metals	3	3

Use standard operating procedures for developing, purging and sampling the wells. Collect groundwater samples from the monitoring wells recording field parameters (e.g. temperature, dissolved oxygen, pH, turbidity and conductivity) during sampling activities for the summary report. If turbidity is a problem, groundwater samples should be collected using a low-flow sampling technique. Water samples may not be field filtered unless a duplicate unfiltered sample is also analyzed. Water from the installation, purging and sampling of the wells should be containerized. The consultant may rely on the groundwater sample analyses for disposal options. A description of how these investigation-derived wastes are disposed should be included in the report. See the attached map for approximate monitoring well locations. The locations of the monitoring wells are based on current site information, final locations are open for discussion.

#### Laboratory Analyses

Submit all samples to a NC-certified laboratory for analyses. For groundwater samples use EPA SW-846 or Standard Methods. Choose the methods that have detection limits below applicable 2L standards if possible. Analytical results submitted must include

Ms. Brenda Coates

July 26, 2004

Page 3

the complete laboratory reports and associated QA/QC information. Tabular data is optional but greatly appreciated.

Reporting

Prepare a report of additional site assessment activities outlined above. Provide groundwater elevation map and iso-concentration map(s) for contaminants detected above applicable standards for soil and groundwater.

As stated in the DENR letter dated April 23, 2004, all appropriate precautions should be taken when rehabilitating and restoring potentially asbestos- or lead paint-containing buildings. As you begin the planning stages of site redevelopment, the Brownfields Program strongly recommends that you contact and work closely with the Division of Public Health, Lead and Asbestos Abatement Program. This is the state agency and program responsible for the regulation and oversight of activities conducted at asbestos- and lead paint-containing buildings. Pat Curran is the contact for that program and can be reached at (919) 733-0200.

Once these activities are complete, we will determine if any additional information is needed to complete the Brownfields Agreement. Please notify me one week prior to sampling activities, if possible I will try to visit the site during the assessment activities.

Ms. Coates, I am looking forward to working with you and the project team throughout this project. Should you have any questions or wish to discuss the activities outlined in this letter feel free to contact me at (828) 251-6225 ext. 150, or via email at [tracy.wahl@ncmail.net](mailto:tracy.wahl@ncmail.net). I would be more than happy to sit down with you to discuss any technical considerations and also to attain a more personalized view of your vision for this project.

Sincerely,

Tracy L. Wahl  
Brownfields Project Manager  
Division of Waste Management

cc: Central Files

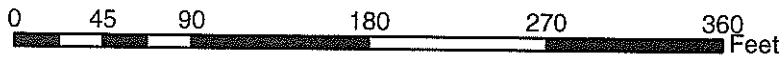
ec: Linda Giltz, L-O-SRC  
Bruce Nicholson, NC DENR  
Tony Duque, NC DENR

# Grey Hosiery Mill

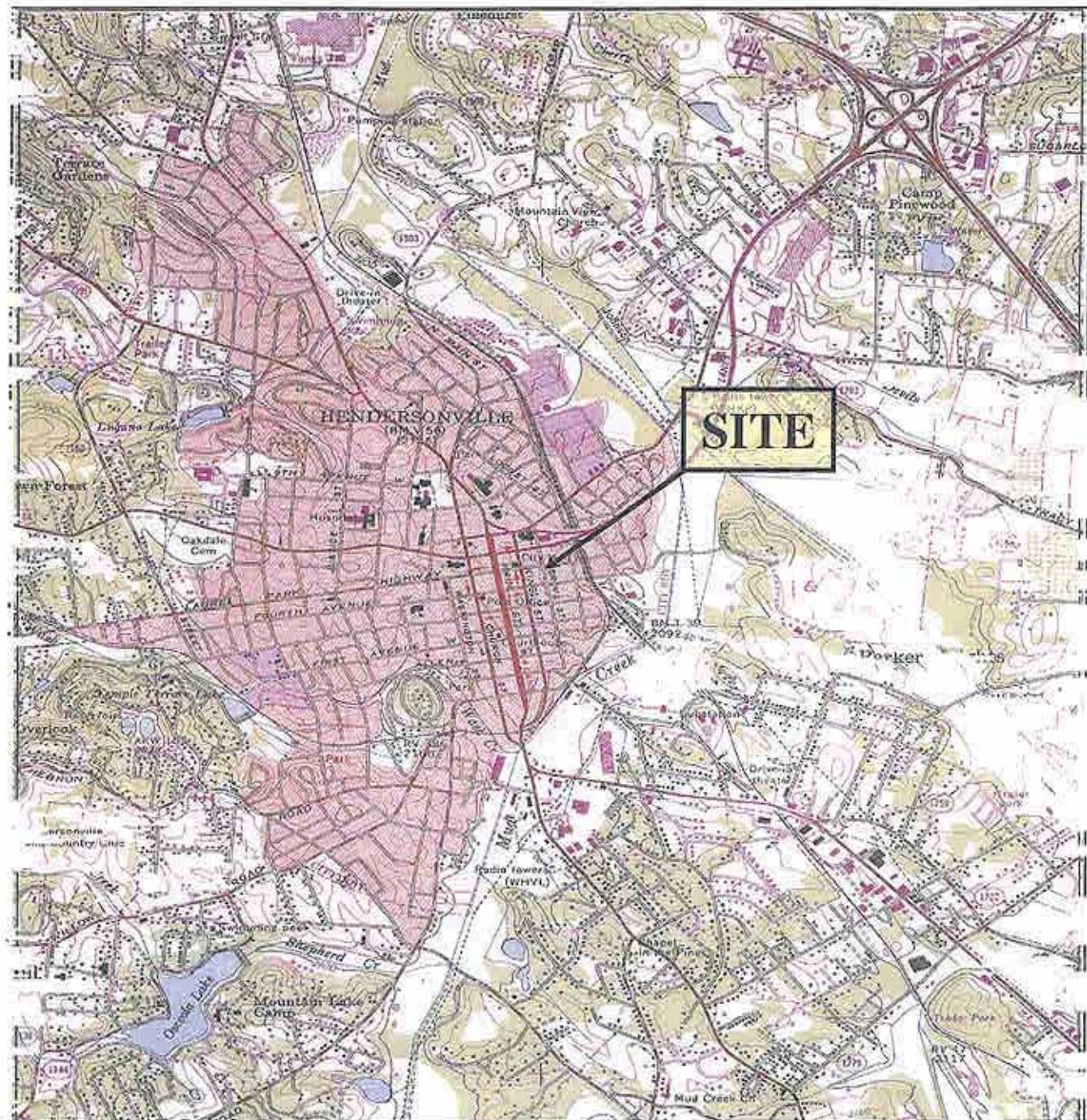
301 Fourth Ave East Hendersonville, NC  
Brownfields Project Number 06009-02-32



Monitoring Well & Soil  
Sample Collection Point



July 2004







**Table 1**  
**Monitoring Well Data Summary**  
**Former Grey Hosiery Mill**  
**Hendersonville, North Carolina**  
**H&H Job No. LOS-001**

Temporary Monitoring Well Identification	On-Site Well Location	Well Depth (ft)	Screen Length (ft)	Ground Surface Elevation (ft)	Well TOC Elevation (ft)	Water Depth (ft)	Water Table Elevations (ft)
MW-1	Near former TWs on East side of Mill	25	10	100.31	100.00	7.79	92.21
MW-2	SE Mill Property Corner	25	10	96.67	96.21	5.88	90.33
MW-3	South of the Mill in Gravel Parking Lot	25	10	99.05	98.71	7.69	91.02
MW-4	SW Mill Property Corner	25	10	104.53	104.46	9.62	94.84
MW-5	Western Mill Boundary along North Grove St.	25	10	104.67	104.47	7.12	97.35
MW-6	Northern end of Mill along 5th St.	25	10	103.37	103.05	5.20	97.85

**Notes:**

Water levels were measured 1 day following installation

Elevations are referenced to an arbitrary datum of 100.00 ft at MW-1 TOC

TOC = Top of Casing

Ground water elevation data was collected on February 2, 2005

**Table 2**  
**Summary of Ground Water Analytical Data**  
**Former Grey Hosiery Mill**  
**Hendersonville, North Carolina**  
**H&H Job No. LOS-001**

Sample ID Date Sampled	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	Screening Levels		
	2/2/2005	2/2/2005	2/2/2005	2/2/2005	2/2/2005	2/2/2005	10 <sup>-4</sup>	10 <sup>-3</sup>	10 <sup>-2</sup>
<b>VOCs (8260B) (<math>\mu\text{g/L}</math>)</b>									
Chloroform	19	1.3	<1.0	<1.0	<1.0	<1.0	3.6	18	350
Tetrachloroethene	<1.0	<1.0	<1.0	53	<1.0	<1.0	540	54	5.4
<b>SVOCs (8270C) (<math>\mu\text{g/L}</math>)</b>									
Bis(2-ethylhexyl)phthalate	2.3 J	NA	NA	<10	NA	<10	NS	NS	3
<b>PCBs (8081A)</b>									
All BRL	NA	NA	All BRL (M)	NA	All BRL	NA	NS	NS	NS
<b>Pesticides (8082)</b>									
All BRL	NA	NA	All BRL	NA	All BRL	NA	NS	NS	NS
<b>Metals (6010B/7470A) (<math>\text{mg/L}</math>)</b>									
Antimony	0.0040 J	NA	NA	0.0037 J	NA	0.0037 J	NS	NS	0.006
Copper	0.0020 J	NA	NA	<0.010	NA	<0.010	NS	NS	1
Lead	0.0016 J	NA	NA	<0.0050	NA	0.0035 J	NS	NS	0.015
Nickel	0.027	NA	NA	0.15	NA	0.0061 J	NS	NS	0.1
Zinc	0.022	NA	NA	0.027	NA	0.027	NS	NS	2.1
Mercury	0.00014 J	NA	NA	0.00012 J	NA	0.00013 J	NS	NS	0.00011
<b>Field Readings</b>									
pH (Standard Units)	6.31	5.97	6.04	5.56	5.73	6.33			
Temperature (C)	12.1	12.9	12.9	14.6	10.9	14.4			
Specific Conductance ( $\mu\text{S/cm}$ )	201	124	218	225	138	126			
Turbidity (NTU)	21.26	41.2	42.79	19.4	30.87	39.1			
Dissolved Oxygen (mg/l)	4.74	4.02	5.70	2.53	1.88	3.34			

**Notes:**

EPA method number follows parameter in parenthesis  
 Only compounds detected in at least one sample shown

VOCs = Volatile organic compounds; SVOCs = Semi-VOCs; PCBs = Polychlorinated Biphenyls  
 All BRL = All Below Reporting Limit; NS = Not Specified; NA = Not Analyzed

The metals Arsenic, Beryllium, Cadmium, Chromium, Selenium, Silver, and Thallium were not detected

**Table 3**  
**Summary of Soil Analytical Data**  
**Former Grey Hosiery Mill**  
**Hendersonville, North Carolina**  
**H&H Job No. LOS-001**

Sample ID	Depth (feet)	Screening Levels					
		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
Date Sampled	3'-5'	2'-4'	3'-5'	4'-6'	4'-6'	3'-5'	3'-5'
	1/31/2005	1/31/2005	1/31/2005	1/31/2005	1/31/2005	1/31/2005	1/31/2005
VOCs (8260B) ( $\mu\text{g}/\text{kg}$ )	<20	<19	<19	<27	<130 M	57 M	14,000,000 54,000,000
Acetone							320,000
SVOCs (8270C)	All BRL	NA	NA	All BRL	NA	All BRL	NS
PCBs (8081A)	All BRL	NA	NA	All BRL	NA	All BRL (M)	NS
Pesticides (8082)	All BRL	NA	NA	All BRL	NA	All BRL	NS
Metals (6010B/7471A) ( $\text{mg}/\text{kg}$ )							NS
Arsenic	1.1 M 0.30 0.065 J	NA NA NA	NA NA NA	1.9 M 0.49 4.7	NA NA NA	1.6 M 1.9 0.11 J	0.39 1.50 37
Beryllium							1.6
Cadmium	5.4	NA	NA	4.7	NA	1.9	1,900
Chromium	0.87	NA	NA	<0.73	NA	4.9	450
Copper	12	NA	NA	13	NA	2.10	7.4
Lead	3.5	NA	NA	4.8	NA	3,100	450
Nickel	0.63	NA	NA	<0.73	NA	9.7	41,000
Selenium	13	NA	NA	37	NA	2.0	620
Zinc	0.087	NA	NA	0.026 J	NA	1,600	400
Mercury						390	320
						7.3	5,100
						23,000	78
						23	4,600
						0.069	4.6
						310	

Notes:

EPA method number follows parameter in parenthesis  
 Only compounds detected in at least one sample shown

VOCs = Volatile Organic Compounds; SVOCs = Semi-VOCs; PCBs = Polychlorinated Biphenyls  
 All BRL = All Below Reporting Limit; NS = Not Specified; NA = Not Analyzed

The metals Antimony, Silver, and Thallium were not detected

J = Estimated value between the Reporting Limit and the Method Detection Limit

M = Surrogate recoveries or matrix spike recoveries outside control limits due to suspected matrix interference.