hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Via E-Mail

March 20, 2013

North Carolina Department of Environment
and Natural Resources
Inactive Hazardous Sites Branch
REC Program
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Attn: Ms. Janet K. Macdonald, PG

Re: Final Remedial Investigation Report
Prestige Label
151 Industrial Drive
Burgaw, Pender County, North Carolina
Site ID No. NONCD0001143
H&H Job No. HEY-002

Dear Ms. Macdonald:

On behalf of HEY Realty, LLC, Hart & Hickman, PC (H&H) is submitting this electronic copy via email of the Final Remedial Investigation Report (RIR) for the above referenced site. This RIR has been prepared pursuant to 15A NCAC 13C .0306(g) of the REC Program rules and in accordance with the Administrative Agreement executed for the site on October 26, 2010. Additionally, this RIR has been prepared in accordance with NCGS 130A-310.65 to 310.77 to pursue risk-based corrective action. The signed and notarized *Remediating Party Document Certification Statement, Registered Site Manager Document Certification Statement, Phase I Remedial Investigation Completion Certification,* and *Remedial Investigation Completion Certification* are included in Appendix A of the attached RIR.

Should you have any questions or need any additional information, please feel free to contact me.

Sincerely,

Hart & Hickman, PC

Matt Bramblett, PE, RSM
Principal

Attachments

cc: Mr. William Raney (2 hardcopies via US Mail and PDF via Email)

Final Remedial Investigation Report
Prestige Labels
(aka HEY Realty Property)

Burgaw, North Carolina
DENR ID NONCD0001143

H&H Job No. HEY-002

March 20, 2013

hart hickman

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Final Remedial Investigation Report
Prestige Labels
HEY Reality Property
Burgaw, North Carolina
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1.0 Introduction

This Remedial Investigation Report (RIR) has been prepared by Hart & Hickman, PC (H&H) for the Prestige Labels site located at 151 Industrial Drive in Burgaw, Pender County, North Carolina (hereafter referred to as the site). This RIR has been prepared in accordance with an Administrative Agreement (AA) for a voluntary Registered Environmental Consultant (REC) directed assessment and remedial action executed on November 23, 2010 between the North Carolina Department of Environment and Natural Resources (DENR) Division of Waste Management Superfund Section and H.E.Y. Realty, LLC (HEY Realty). This RIR details the remedial investigation (RI) activities completed as proposed in the Phase I Remedial Investigation Work Plan (RI Work Plan) dated April 4, 2011 and the Phase I Remedial Investigation Work Plan Addendum (RI Work Plan Addendum) dated June 1, 2012. This report has also been prepared in support of risk-based remediation at industrial sites in accordance with North Carolina General Statutes (NCGS) 130A-310.65 to 310.73.

This RIR has been prepared to meet the specific requirements of the following:

- the AA for the site;
- the DENR *Registered Environmental Consultant Program Implementation Guidance* dated December 2012 (referred to herein as the REC Guidance);
- the requirements for RIR contained in North Carolina Administrative Code (NCAC) Title 15A 13C .0306(g); and
- the requirements for use of risk-based corrective action in NCGS 130A-310.65 to 310.73.

Remedial investigation activities and methods were conducted in general accordance with the REC Guidance and the latest version of the U.S. Environmental Protection Agency (EPA) Region 4 Science and Ecosystem Support (SESD) *Field Branches Quality System and Technical Procedures* guidance (hereafter referred to as the EPA SESD Guidance).

The report is organized into sections to include the following:

- Site Background Information (Section 2.0)
- Environmental Setting (Section 3.0)
- Remedial Investigation Methods (Section 4.0)
- Phase I Remedial Investigation (Section 5.0)
- Final Remedial Investigation (Section 6.0)
- Conceptual Site Model (Section 7.0)
- Conclusions and Risk-Based Corrective Action Eligibility Evaluation (Section 8.0)
- References (9.0)

The signed and notarized *Remediating Party Document Certification Statement*, the *Registered Site Manger Document Certification Statement*, the *Phase I Remedial Investigation Completion Certification* and the *Remedial Investigation Completion Certification* are included in Appendix A.

2.0 Site Background Information

2.1 Site Location

The HEY Realty property is located at 151 Industrial Drive in Burgaw, Pender County, North Carolina. Burgaw is located in the eastern portion of North Carolina near Interstate-40, approximately 30 miles from the Atlantic Ocean. The location of the site is shown on Figure 1, which is a United States Geological Survey (USGS) 7.5 Minute topographic map.

Figure 1 depicts topography within the immediate vicinity of the Site. As required in the REC Guidance, an original USGS quadrangle (Burgaw) map was previously provided with the RI Work Plan. The approximate coordinates of the site are latitude 34° 32' 30.55"N and longitude 77° 55' 9.67"W.

A site survey plat prepared by Paul Toti Surveying, a North Carolina professional land surveyor, was submitted previously with the RI Work Plan. The survey plat included building locations, pavement, property boundaries, monitoring well locations, drainage features, overhead and underground utilities, etc. As a supplement to the survey plat and for ease of reference, the general layout of the site (including buildings, pavement, drainage features, and vegetation) is illustrated on the site plan map (Figure 2).

2.2 Site Description

The HEY Realty property consists of approximately 5.68 acres of land situated on the southwest corner of the intersection of Industrial Drive and Progress Drive in the Pender Industrial Park. An approximate 15,000 square foot (sq ft) building of steel and concrete construction, with asphalt-paved parking areas, and a concrete loading dock is situated on the main parcel of the property. The facility was reportedly constructed in 1988 by Miller Building Corporation for Pres-Tige Label Corporation. In October 2004, McKinley Building Corporation began construction activities on a new 15,000 square ft addition for the facility tenant Prestige Label Company, Inc. (Prestige). The addition is situated to the west and southwest of the original

building at the site. A new asphalt-paved access drive and concrete loading docks were constructed in the southern portion of the site, and additional asphalt-paved parking spaces were added to the northern portion of the site. The new building, access drive, loading docks, and parking areas were completed in June 2005. The addition is a two-story building constructed of concrete block with a metal roof. The new building is used for office space, printing operations, shipping and receiving, and warehouse space.

A former 12 ft by 12 ft chemical storage shed (metal construction on a concrete slab) was identified as the primary area of environmental concern during previous assessment activities. The shed was located just south of the main facility described above and was utilized to store chemicals used by the facility including tetrachloroethene (PCE) which was used to clean printing plates prior to 1997. This chemical storage shed was removed in February 2000 during the preparation of the Corrective Action Plan (CAP) dated July 2000.

Prestige printed various types of self-adhesive labels and tags at the facility. The facility most recently utilized water-based inks for most printing operations. Glycols were sometimes added to inks to slow the drying process. As mentioned above, the facility operators used PCE as a printing plate wash solvent prior to 1997. The waste PCE was distilled in a PCE recovery unit for re-use. A non-hazardous commercial plate-washing compound comprised of ethyl acetate and benzyl alcohol was used from 1997 until operations ceased at the facility in 2012. The facility is currently vacant.

2.3 Land Usage and Zoning

The site and adjacent properties are zoned light industrial (I-1) by the Town of Burgaw. Industrial Drive is situated to the north of the site, while Progress Drive borders the site to the east. The property to the south is developed and zoned for light industrial use. Land adjacent to the west of the site is undeveloped, but zoned for light industrial use. The closest residence to the site is an apartment complex located approximately 450 ft to the southeast along Progress Drive.

The land use zoning within a half-mile radius of the site is a mixture of residential (R-7 and R-12), office and industrial (O&I), light industrial (I-1), and highway business district (B-2). The surrounding properties include the following:

- North – Industrial Drive, then light industrial zoned land and production facilities owned by American Skin Food, LLC
- South – Light industrial land owned by Zeljko Vesligaj and operated as Phoenix Technologies
- Southwest – Undeveloped light industrial land owned by the Thankful Williams Heirs
- West – Undeveloped light industrial properties owned by the Bertha Herring Heirs and James Carr
- East – Progress Drive, then undeveloped properties zoned for office and industrial use.

2.4 Site Ownership

The Pender Progress Corporation originally purchased the undeveloped property from Katherine Lockey, Ann Sparkman, and Helen Sparkman in September 1980. The property was later sold to the Symex Realty Corporation on August 23, 1988 who in turn leased the property to Pres-Tige Label Corporation in 1988 to operate a label printing business. In April 1996, Pres-Tige Label Corporation sold its assets to Prestige Label Company, Inc., an unrelated company, which operated the facility until 2006. Symex Realty Corporation sold the property and buildings on September 26, 2003 to H.E.L. Realty, LLC, which is a North Carolina limited liability company. H.E.L. Realty, LLC changed its name to H.E.Y. Realty, LLC on November 19, 2003. As of July 31, 2006, the assets of Prestige were sold to the Atlantic Corporation of Wilmington, Inc., which leased the real property from H.E.Y. Realty, LLC. Atlantic Corporation continued to operate the facility under the trade name Prestige Label Company (no Inc.). Atlantic Corporation moved the Prestige Label operations to another facility in 2012 and the building has been vacant since that time. The most recent deed is recorded in Book 2228 Page 119 in the Pender County Registry.

3.0 Environmental Setting

3.1 Climate

The average annual precipitation of Pender County is approximately 55 inches, which includes two inches in the form of snow. Precipitation in Pender County is spread over an average of 107 days throughout the year. The warmest month is July, with an average high temperature of 90^{o} F. The coolest month of the year is January with an average low temperature of 33^{o} F.

3.2 Surface Water Hydrology

The site is relatively level and near grade with Progress Drive and Industrial Drive. Surface water would be expected to flow in the direction of drainage ditches running parallel to each property boundary along the edges of Industrial Drive and Progress Drive (Figure 2). Based on the Burgaw, NC USGS 7.5 minute topographic quadrangle map, these drainage ditches are expected to discharge to the intermittent stream known as Osgood Branch located 1,400 ft to the west of the subject property (Figure 1). Osgood Branch is a tributary of Burgaw Creek, and both are Class C waters. Groundwater discharge is generally expected to follow the groundwater flow direction to the northwest toward Osgood Branch. Osgood Branch discharges to Burgaw Creek, which ultimately discharges to the Northeast Cape Fear River.

3.3 Regional Geology and Hydrogeology

The Burgaw area, including the subject property, is located within the Coastal Plain Physiographic Province of North Carolina. The Coastal Plain consists of two (2) natural subdivisions - the Tidewater Region, or Outer Coastal Plain, and the Inner Coastal Plain. Burgaw is situated near the division between these two areas. The Tidewater Region consists of the coastal area where large streams and many of their tributaries are affected by ocean tides. This region is generally of low relief and can be swampy. The portion of the Inner Coastal Plain where Burgaw is located is characterized by low relief and circular depressions called Carolina Bays which are commonly filled with lakes or swamps.

The Coastal Plain sediments primarily consist of clastic rocks ranging from clay to gravel with lesser amounts of marine limestone. The sediments have a general eastward dip. Beds tend to thicken and the number of individual beds tends to increase towards the east.

The Coastal Plain groundwater flow system consists of aquifers composed of permeable sand, gravel and limestone layers separated by confining units composed of less permeable sediments. Because clay beds, which restrict vertical movement of groundwater, are scattered throughout the aquifer system, recharge to shallow-lying, unconfined aquifers is considerably greater than recharge that moves downward to confined aquifers.

Based on the 1985 Geologic Map of North Carolina, the site is situated within an area underlain by the Pee Dee Formation, which is described as sand, clayey sand and clay, greenish gray to olive black in color; massive, glauconitic, locally fossiliferous and calcareous, with patches of sandy molluscan mold limestone in the upper parts. According to the Hydrogeologic Framework of the North Carolina Coastal Plain Aquifer System (Winner and Clark, 1989), the Pee Dee confining unit overlies the Pee Dee aquifer. The Pee Dee confining unit generally consists of clay, silty clay and sandy clay and averages 25 ft thickness. The confining unit in areas of Bladen, Columbus and Pender Counties tends to be clayey sand with higher hydraulic conductivity than other regions. Surficial sands of more recent deposition overlie the Pee Dee confining unit in some areas.

3.4 Site Geology

Visual observation by H&H of soils sampled during drilling of soil borings and monitoring wells at the site indicate that a layer of gray to yellowish brown sandy clay is situated from near the surface to 25 ft below ground surface (bgs). Dark gray sandy silt to silty sand is situated below this clay layer. This observed clay layer, which is interpreted to be the Pee Dee confining unit, appears to act as a confining unit between shallow and deeper groundwater at the Site. This is evidenced both by the significant differences in hydraulic head between the shallow and deep wells at the Site, and by the lack of target compounds detected in the deeper wells. Generalized

geologic cross-sections are provided on Figure 3 and 4, and the geologic cross-section locations are provided on Figure 2.

3.5 Site Hydrogeology

The Pee Dee aquifer is interpreted to underlie the Pee Dee confining unit at the site and most likely discharges to the unnamed intermittent tributary of Burgaw Creek situated approximately 1,800 ft east-northeast of the Site at its closest point. Estimated groundwater elevations in Osgood Branch situated to the west of the Site are approximately 45 ft mean sea level (msl) while elevations of Burgaw Creek to the north of the site and the unnamed tributary of Burgaw Creek east-northeast of the Site range from 26 to 40 ft msl. Given that the Pee Dee aquifer elevations at the subject Site are approximately 40 ft msl, groundwater flow would be expected to be to the north and east in the directions of lower water elevations in Burgaw Creek. As discussed below, the estimated groundwater flow direction at the subject site based on water levels in the shallow confining unit is interpreted to the northwest in the direction of Osgood Branch.

3.5.1 Groundwater Elevation and Flow Direction

A total of 12 permanent monitoring wells have been installed and screened in the surficial aquifer, and three permanent monitoring wells have been installed and screened in the deeper aquifer at the site. Since the submittal of the RI Work Plan in April 2011, site wide gauging events have been completed in June 2012 following installation of monitoring wells MW-8 through MW-11 and October 2012. Partial gauging events were also conducted in April 2011 (during the Phase I RI sampling activities) and June 2012. Water level data were collected during each event with an electronic water level meter. The top of casing elevations for the previously installed site monitoring wells were surveyed by Paul Toti Surveying in December 2010. The top of casing elevations at the newly installed monitoring wells (MW-8 through MW-11) were estimated by H&H using a level and rod and known reference points.

During the site wide gauging event in June 2012, groundwater elevations of the surficial aquifer ranged from 46.47 ft above mean sea level (MSL) at MW-3R located in the south-central portion of the site to 48.23 ft above MSL at MW-4 located in the south-central portion of the site. Because monitoring wells MW-8 through MW-11 were installed immediately prior to this gauging event, groundwater levels at these wells had not equilibrated and are not representative of site groundwater elevations. During the October 2012 gauging event, groundwater elevations ranged from 44.21 ft above MSL at MW-11 to 47.79 ft MSL at MW-5. Groundwater elevation data for the site wide gauging events in 2011 and 2012 are provided on Table 1. The inferred shallow groundwater potentiometric surface based on the groundwater elevation data collected during the October 2012 gauging event is presented on Figure 5. The deeper aquifer elevations from the October 2012 event are presented on Figure 6.

As discussed during previously submitted groundwater monitoring reports, groundwater elevations at the site vary over time, which could be the result of the time needed for groundwater to equilibrate following rain events due to the tight clay formation observed at the site. Based on the current and most comprehensive gauging data collected in June and October 2012, the overall shallow groundwater flow direction is to the northwest (Figures 8). Shallow groundwater in the eastern portion of the site flows west and then northwest

3.5.2 Horizontal and Vertical Gradients

Because the dominant groundwater flow at the site appears to be to the northwest, horizontal hydraulic gradients were calculated for shallow groundwater based on comparisons of groundwater elevation data along the flow path between MW-3R and MW-11 during the June and October 2012 gauging events. The calculated hydraulic gradients are summarized below:

Gauging Event	Flow Path (ft/ft)
June 2012	0.015
October 2012	0.011

The mean hydraulic gradient in shallow groundwater across the site is approximately 0.013 ft/ft.

There are two monitoring well cluster pairs that include a shallow Type II monitoring well, and an adjacent deep Type III monitoring well installed in close proximity to each other at the site. The MW-5/MW-5D well pair is located on the eastern central portion of the site near Progress Drive. The MW-6/MW-6D well pair is located near the southern property boundary in the central portion of the site. Vertical gradients calculated from the June and October 2012 gauging events are summarized below:

Gauging Event	MW-5 and MW-5D monitoring well cluster (ft/ft)	MW-6 and MW-6D monitoring well cluster (ft/ft)
June 2012	-0.4183	-0.3200
October 2012	-0.3991	-0.2838

* A negative number represents a downward vertical gradient, and a positive number represents an upward vertical gradient.

As seen in the table above, the vertical gradient was observed to be in the downward direction at both monitoring well pairs. The downward gradients suggest the potential for vertical migration of groundwater at the site. However, the primary constituents of concern at the site (PCE and its degradation products) have never been detected above laboratory method detection limits in the deeper aquifer with the exception of low-level detections of PCE and trichloroethene (TCE) at TW-1R in 1997. However, these detections were likely introduced during the installation of the well and not an indication of impacts migrating to the deeper aquifer. These data suggest the Pee Dee confining unit is limiting the vertical flow of groundwater between the surficial and deeper aquifers.

3.5.3 Hydraulic Conductivity and Groundwater Flow Velocity

Hydraulic Conductivity

H&H conducted slug tests on shallow wells MW-l, MW-2 and MW-3 and on deeper well T-I during preparation of the CAP previously submitted to DENR in June 2000. It should be noted that these well were abandoned to accommodate site redevelopment activities. Wells replaced following redevelopment are denoted with an "R" on the site map (Figure 2). The calculated hydraulic conductivities based on these slug tests are listed below:

Surficial Aquifer	
Monitoring Well	Hydraulic Conductivity (ft/day)
MW-1	0.25
W-2	0.12
MW-3	0.18
Geometric Mean	0.18
Deeper Aquifer	
T-1	0.06

As indicated above, the hydraulic conductivity in the deeper aquifer zone is lower than that in the shallow zone. T-I was screened in interbedded clays in the Pee Dee aquifer which likely explains the lower calculated hydraulic conductivity of this deeper well relative to the shallow wells.

Utilizing the mean hydraulic gradient calculated in Section 3.5.2 (0.013 ft/ft), the geometric mean hydraulic conductivity for the surficial aquifer calculated above (0.18 ft/day), and an assumed effective porosity of 0.2 (20%), the average groundwater flow velocity is estimated to be approximately 0.01 ft/day (4 ft/year).

3.6 Water Supply

In December 2010, an updated water supply well survey was conducted to include a half-mile search radius per the REC Guidance requirements. Several methods were utilized to complete the survey including confirming municipal water accounts with the Town of Burgaw, reviewing water supply well permits with the county, meeting with the Burgaw Public Works Director to review waterline and municipal water supply well locations, a drive by reconnaissance, and a door-to-door reconnaissance. The survey revealed eight water supply wells within the search radius, including the four previously identified during the CSA. Additional details of the water supply well survey were provided in the RI Work Plan dated April 14, 2011.

3.7 Environmentally Sensitive Areas

Details of the environmentally sensitive areas survey are available in the RI Work Plan dated April 14, 2011. At the time the RI Work Plan was submitted, responses to inquiries regarding sensitive environments had been received from each of the agencies required to be contacted as specified in the REC Guidance document with the exception of the North Carolina Division of Coastal Management (NC DCM). However, based on the property location and developed status, H&H does not believe that there are concerns relevant to the NC DCM. In general, only two minor concerns were expressed by the agencies contacted. In a response received from the DENR Division of Water Quality (DWQ), the subject site is located is in an area that is environmentally sensitive to runoff due to the proximity of Osgood Branch and Burgaw Creek. Burgaw Creek is listed as an impaired water body on the 2010 NC 303(d) list due to chlorophyll and copper standard violations.

4.0 Remedial Investigation Methods

4.1 Remedial Investigation Objective

Extensive site assessment activities have already been conducted at the site. As such, historical data, as well as the most recent groundwater data were used to establish the scope of the RI activities. Because the constituents of concern (COCs) at the site were identified to be volatile organic compounds (VOCs), most soil and groundwater samples collected at the site during previous assessment activities were analyzed exclusively for VOCs. Because the REC program requires samples be analyzed for semi-volatile organic compounds (SVOCs) and hazardous substance list (HSL) metals, the objective of the Phase I RI was to assess these additional REC parameters at previously installed monitoring wells at the site. However, because HSL metals were detected in groundwater samples collected during the Phase I RI at concentrations difficult to distinguish as impacts or naturally occurring, a Work Plan Addendum was prepared to further evaluate these detections. As such, the objective of the Final RI was to collect additional soil and groundwater data to further evaluate metals detected at the site.

4.2 Methodology

The RI activities were conducted in accordance with the Phase I RI Work Plan dated April 2011 and the RI Work Plan Addendum dated June 1, 2012. Sampling and decontamination activities also followed REC Guidance and SESD Guidance. General descriptions of the sampling procedures are provided by media in subsequent sections of this report.

4.3 Investigation Derived Waste

Investigation derived waste (IDW) was generated during the assessment activities in the form of soil cuttings, monitoring well purge and development water, and decontamination fluids. In accordance with Appendix A of the REC Guidance document, IDW can be discharged in the area of contamination as long as it will remain on-site, does not increase the spread of contamination, and does not introduce contamination to uncontaminated soil. As such, soil cuttings, purge water, and development water was discharged to ground surface in the immediate vicinity of the

monitoring well or soil boring from which it was generated. Off-site disposal of IDW did was not required during the remedial investigation.

4.4 Laboratory Analytical and Quality Assurance Samples

Prism Laboratories, Inc. (Prism) conducted the laboratory analysis of the groundwater samples collected during the Phase I RI activities (April 2011) and Pace Analytical Services, Inc. (Pace) conducted the laboratory analysis of the soil and groundwater samples collected during the Final RI activities (June 2012). During both phases of the RI, samples were shipped via FedEx to the laboratory under appropriate chain of custody documentation. Samples were received in good condition and met holding times and preservation requirements, with the exception that hexavalent chromium in the rinse place sample collected June 5, 2013. This sample was analyzed outside of the laboratory hold time for hexavalent chromium. The laboratory data are provided in data package formats in accordance with the REC Guidance. The laboratory analytical reports are provided in Appendix B.

The following quality assurance samples were collected during the field activities conducted in April 2011:

- One equipment rinseate blank (EB-042611) was collected from the groundwater sampling equipment to evaluate proper decontamination of the sampling equipment and to demonstrate that sample tubing had not been contaminated. To collect the rinse blank, laboratory supplied deionized water was purged from the container through new polyethylene sample tubing and into a laboratory sample container using a peristaltic pump.

- One blind duplicate groundwater sample (DUP-042611) was collected to document laboratory consistency. The blind duplicate sample was collected from monitoring well W-2R. This sample was submitted to the laboratory with a unique label so it could not be identified by the laboratory.

The following quality assurance samples were collected during the field activities conducted in June 2012:

- One equipment rinseate blank (Rinse Blank) was collected from the groundwater sampling equipment to evaluate proper decontamination of the sampling equipment and to demonstrate sample tubing had not been contaminated. To collect the rinse blank, laboratory supplied deionized water was purged from the container through new polyethylene sample tubing and into a laboratory sample container using a peristaltic pump.

- One duplicate groundwater sample (DUP-GW) and one duplicate soil sample (DUP-Soil) were collected to document laboratory consistency. The blind groundwater duplicate sample was collected from monitoring well W-2R. The blind soil sample was collected from soil boring SB-3 (1-2). These duplicate samples were submitted to the laboratory with a unique label so they could not be identified by the laboratory.

For soil duplicate samples, the samples were homogenized prior to placement into sample containers. Homogenization was performed by mixing the soil sample in a decontaminated glass bowl (Pyrex) and then sequentially placing aliquots of the mixed sample into the containers until full.

Internal laboratory QA/QC was conducted in accordance with method prescribed protocols.

Rinseate Blank Sampling and Results

Two rinse blanks (EB-042611 and Rinse Blank) were collected during the RI activities. The EB-042611 sample was analyzed for HSL metals, SVOCs, and 1,4-dioxane, while the Rinse Blank sample was analyzed for HSL metals and hexavalent chromium. Analytical results for both rinse blank samples did not indicate detectable impacts with the exception of a low-level detection of antimony (5.1 µg/l) in the sample Rinse Blank indicating equipment was properly decontaminated between sample locations.

Duplicate Samples

In general, the analytical results of the duplicate samples were similar to the analytical results of the parent sample, which indicates good laboratory repeatability. The groundwater duplicate analytical results are summarized in Table 2. The soil duplicate results are summarized in Table 3.

4.5 Screening Levels

The REC Guidance indicates that soil concentrations must meet both a health-based screening level and a standard based upon soil leaching to groundwater. Health-based screening levels used in the soil data evaluation consisted of the IHSB residential and industrial health-based soil remediation goals (HBSRGs). Protection of groundwater screening levels used in the soil data evaluation consisted of the generic IHSB protection of groundwater soil remediation goals (PGSRGs) for potential leaching to groundwater. Additionally, detections of metals were compared to site-specific background concentrations. Although the site is utilized for commercial purposes, analytical results are compared to the IHSB residential HBSRGs and site-specific background metal concentrations to demonstrate that detections in soil above unrestricted use levels are not impacting off-site properties. Groundwater analytical results were compared to the NCAC 2L Groundwater Standards (2L standards) and site-specific background concentrations for metals to define the extent of impacted groundwater and to demonstrate that detections in groundwater above unrestricted use levels are not impacting off-site properties.

Additionally, manganese detections in groundwater were compared to data collected as part of the National Uranium Resource Evaluation (NURE) Program. In the late 1970s and early 1980s, the North Carolina Department of Environment, Health, and Natural Resources (currently known as DENR) collected surface water, stream sediment, and groundwater samples across the state as part of the NURE Program initiated by the US Atomic Energy Commission and subsequently funded through the US Department of Energy. The purpose of the NURE program was to evaluate uranium resources and to locate places favorable for uranium exploration (Reid, 1991). This evaluation was based on the collection of stream sediment, groundwater, and surface water

samples across the country for analysis of metals and geochemical parameters that may suggest uranium deposits. As part of the NURE program, nine groundwater samples were collected in Burgaw and 93 samples were collected across Pender County. Results of these samples indicate that manganese naturally occurs in groundwater at concentrations ranging from 0.031 mg/l to 0.198 mg/l near Burgaw and at concentrations ranging from 0.017 mg/l to 0.255 mg/l in groundwater across Pender County.

In some cases, analytical results will also be compared to site-specific remediation goals to be calculated for the constituents detected above unrestricted and/or site-specific background levels pursuant to the risk-based corrective action rules in NCGS 130A-310.65 to 310.73. Details of the calculated site-specific remediation goals will be provided in the Remedial Action Plan (RAP) to be submitted under separate cover. The site-specific remediation goals are intended to be final cleanup levels for the site.

4.6 Site Photographs

As required by REC Rules, color photographs of the site were taken during the RI field activities and copies of the photographs are provided in Appendix C.

5.0 Phase I Remedial Investigation

Previous assessment activities are detailed in the RI Work Plan dated April 14, 2011. However, because the intent of this RIR is to provide the basis to pursue risk-based corrective action pursuant to NCGS 130A-310.65 to 310.7 (House Bill 45), VOC detections and the extent of VOC impacted groundwater based on analytical data collected during the June 2010 groundwater monitoring event are provided on Figure 7. These data are being provided to demonstrate that VOC impacted groundwater above 2L standards is limited to the south central portion of the site and has not migrated off-site. Because VOC impacts were defined and well understood prior to the site entering the REC program, no additional soil or groundwater samples were collected for analysis of VOCs during the Phase I RI or Final RI and are not further discussed herein. For additional details of the June 2010 monitoring event, refer to the Annual Monitoring Report dated August 25, 2010, which was included with the RI Work Plan.

5.1 Phase I Remedial Investigation Activities

Because several REC Program required analytical parameters were not analyzed during past assessment activities, the purpose of the Phase I RI was to evaluate the presence of the VOC 1,4-dioxane, SVOCs and HSL metals in site groundwater. As such, groundwater samples were collected from existing monitoring wells W-1, W-2R, MW-5, and MW-7 for analysis of the additional REC required parameters, as detailed below. The locations of these monitoring wells are presented on Figure 2.

On April 26, 2011, monitoring wells W-1, W-2R, MW-5, and MW-7 were low flow purged utilizing a peristaltic pump and dedicated disposable polyethylene tubing. Each monitoring well was purged until field measurements of pH, temperature, and specific conductivity stabilized and turbidity was near or below 10 NTU. Low flow purging methods were utilized to minimize sample turbidity. Once field measurements stabilized, disposable bailers were lowered into the water table at each of the sampling locations to facilitate sample collection. Groundwater samples were then transferred from the bailer directly into the laboratory supplied sample containers. It should be noted that despite the use of low flow purging methods, turbidity at

monitoring wells W-1 and MW-7 could not be reduced to below 10 NTU prior to sample collection. Turbidity levels are shown on Table 2.

Upon collection, groundwater samples were placed in a cooler on ice and shipped to Prism, a North Carolina certified laboratory, for analysis. Samples were maintained under an appropriate chain-of-custody from the time the samples were collected until receipt by the laboratory.

To satisfy the REC Phase I sampling requirements, groundwater samples collected from select monitoring wells (as detailed below) were analyzed for the following parameters:

- HSL metals by EPA Method 3030C preparation and EPA Methods 6010 and 7471 (W-1, W-2R, MW-5, and MW-7). In accordance with the REC Guidance, samples for filtered metals analysis were not collected.

- SVOCs by EPA Method 8270 plus tentatively identified compounds (TICs) for the 10 largest spectral peaks (W-1 and W-2R).

- 1,4-Dioxane (a former stabilizer used in some chlorinated VOC formulations) by EPA Method 8260 SIM (W-1 and W-2R).

Due to the extensive VOC data already available, groundwater samples collected from W-1, W-2R, MW-5, and MW-7 were not analyzed for VOCs (with the exception of 1,4-dioxane) as part of the Phase I RI.

5.2 Phase I Remedial Investigation Results

Analytical results of the groundwater samples collected during the Phase I RI activities indicated the presence of several metals above their respective 2L standards including cadmium, chromium, lead, manganese, and selenium. Because the concentrations at which these metals were detected, it was difficult to determine whether these metals were naturally occurring or the result of historic site operations. Results of metals detected above 2L standards are discussed

further below. SVOCs and 1,4-dioxane were not detected above laboratory method detections limits in the groundwater samples collected during the Phase I RI activities. As such, no additional assessment of these constituents is warranted. The laboratory analytical report is provided in Appendix B. Groundwater analytical results are summarized on Table 2.

Cadmium

Cadmium was detected at concentrations of 0.0063 mg/l and 0.0027 mg/l in the groundwater samples collected from monitoring wells W-1 and MW-5 respectively, which exceed its 2L standard of 0.002 mg/l. Cadmium was not detected above laboratory method detection limits in the groundwater samples collected from monitoring wells W-2R and MW-7. Because turbidity was elevated (45.4 NTU) in the groundwater sample collected from W-1 and low (2.97 NTU) in the groundwater sample collected from MW-5, it was difficult to determine whether these detections of cadmium are naturally occurring, the result of turbid samples, or potentially an indication of a release resulting from historic site operations. As such, it was determined additional assessment for cadmium was warranted (Section 6.0).

Chromium

Chromium was detected at concentrations of 0.036 mg/l and 0.057 mg/l in the groundwater samples collected from monitoring wells W-1 and MW-7 respectively, which exceed its 2L standard of 0.010 mg/l. However, these detections were evaluated likely to be the result of turbid groundwater samples (45.4 NTU at W-1 and 539.4 NTU at MW-7) and not resulting from historic site operations. This is supported by the fact that chromium was not detected above laboratory method detection limits in the groundwater samples collected from monitoring wells W-2R and MW-5 where turbidity was measured at 5.83 NTU and 2.97 NTU, respectively. However, it was determined additional assessment for chromium was warranted to further evaluate these detections (Section 6.0).

Lead

Lead was detected at concentrations of 0.022 mg/l and 0.023 mg/l in the groundwater samples collected from W-1 and MW-7, respectively which exceed its 2L standard of 0.015 mg/l. Similar

to the detections of chromium, these detections were evaluated to likely be the result of turbid groundwater samples, and not a release resulting from historical site operations. This is supported by the fact that lead was not detected above laboratory method detection limits in the groundwater samples collected from monitoring wells W-2R and MW-5 where turbidity was measured below 10 NTU as detailed above. However, it was determined additional assessment of lead was warranted to further evaluate these detections (Section 6.0).

Manganese

Manganese was detected at concentrations of 0.13 mg/l and 0.21 mg/l in the groundwater samples collected from monitoring wells W-1 and W-2R, respectively, which exceed the 2L standard of 0.050 mg/l. Manganese was detected in the groundwater samples collected from monitoring wells MW-5 and MW-7 at concentrations above laboratory method detection limits, but below its 2L standard. The detection of manganese in the groundwater sample from W-1 is likely the result of elevated turbidity and not an impact resulting from historical site operations. Because the concentration of manganese at W-2R was higher and associated with a low turbidity sample and because W-2R is located adjacent to the former chemical storage shed, this detection is potentially the result of historical site operations.

It is unknown whether manganese based dyes were used at the Prestige Labels facility. However, manganese is sometimes used in inks and dyes as a pigment and a drying agent. If such inks were utilized at the facility, it is possible they may have been stored in the former shed. As such, it was determined that additional assessment for manganese was warranted (Section 6.0).

Selenium

Selenium was detected at a concentration of 0.026 mg/l in the groundwater sample collected from monitoring well W-2R, which exceeds its 2L standard of 0.020 mg/l. Selenium was not detected above laboratory method detection limits in the groundwater samples collected from W-1, MW-5, and MW-7. Because the concentration of selenium at W-2R was notably higher than other detections and because W-2R is located adjacent to the former chemical storage shed, this detection is potentially the result of historical site operations.

It is unknown whether selenium based dyes were used at the Prestige Labels facility. However, selenium is sometimes used in inks and dyes for pigmentation. If such inks were utilized at the facility, it is possible they may have been stored in the former shed. As such, it was determined that additional assessment for selenium was warranted (Section 6.0).

Tentatively Identified Compounds

Squalene, which is a naturally occurring hydrocarbon produced by plants and animals was detected in the duplicate groundwater sample collected from monitoring well W-2R at a concentration of 16 µg/l. There is no 2L standard or Interim Maximum Allowable Concentration (IMAC) standard for squalene. Squalene is sometimes used in the production of vaccines. It is not used in inks and dyes and does not appear to have a purpose in the printing industry. As such, this detection does not appear to be the result of historic site operations. Additionally, because squalene was only detected in the duplicate sample and not the parent sample, this detection may be a laboratory artifact. Based on this evaluation, it was determined that no additional assessment for squalene was warranted.

It should be noted that an "unknown compound" was detected at concentrations up to 58 µg/l in the groundwater samples collected from W-1 and W-2R. In a conversation with REC Program staff on May 16, 2011, it was decided that additional assessment of this unknown compound was not warranted as any remedial activities including engineering and/or institutional controls implemented at the site would sufficiently address this compound. As such, no additional assessment of this unknown compound was conducted.

6.0 Final Remedial Investigation

Because various metals were detected in the groundwater samples collected during the Phase I RI at concentrations exceeding 2L standards, additional assessment was conducted to further evaluate these detections. The Final RI activities and results are detailed in the following sections.

6.1 Final Remedial Investigation Assessment

6.1.1 Soil Assessment Activities

On June 5 and 6, 2012, H&H advanced six soil borings to evaluate whether metal impacts resulting from historical site operations were present, and if present, contained within the property boundaries of the subject site. Four of the borings were advanced inside the facility at locations of historic printing operations and where dye staining was noted during previous assessment activities. Additionally, one boring was advanced adjacent to the former chemical storage building and one soil boring was advanced adjacent to monitoring well W-1, where potentially elevated metal concentrations were detected in groundwater. Because of shallow groundwater at the site, soil samples were generally collected from the 1 ft to 2 ft bgs interval to assess unsaturated zone conditions.

In addition to the six borings detailed above, six background soil borings were advanced in the western and eastern portions of the site, away from potential source areas. Samples were collected from these borings to established site-specific background metal concentrations. Due to the high water table encountered at the site, soil samples at each boring location were generally collected directly above the water table from the 1 ft to 2 ft bgs interval. Deeper soil samples were also collected at background borings BG-5 and BG-6 from the 4 ft to 5 ft interval to evaluate naturally occurring metal concentrations below the water table and to collect samples for analysis of bulk density and fraction organic carbon that will be utilized for development of site-specific remediation goals. Soil boring and background soil boring locations are presented on Figure 2.

In general, soil borings were advanced and soil samples were collected utilizing a decontaminated stainless steel hand auger. Soil borings BG-5 and BG-6 were advanced utilizing a direct push technology (DPT) drill rig to facilitate collection of undisturbed soil cores for analysis of bulk density and fraction organic carbon. Recovered soil at each boring location was field screened for the presence of ink staining and logged for lithological description. No ink staining was observed. Soil boring logs are provided in Appendix D.

Upon collection, soil samples were placed in a cooler on ice and shipped to Pace, a North Carolina certified laboratory for analysis. Samples were maintained under an appropriate chain-of-custody from the time the samples were collected until receipt by the laboratory. Soil samples collected during the Final RI activities were submitted to Pace for analysis of HSL metals including hexavalent chromium.

6.1.2 Additional Groundwater Assessment Activities

Due to the potentially elevated concentrations of the HSL metals cadmium, chromium, lead, manganese, and selenium detected during the Phase I RI assessment activities conducted in April 2011; H&H installed four additional monitoring wells to further evaluate these detections. Monitoring well MW-8 was installed near MW-7 along the southern property boundary, MW-9 and MW-11 were installed along the western edge of the industrial portion of the property, and MW-10 was installed along the northern property boundary. Wells MW-9 through MW-11 were installed to serve as background sample locations, while MW-8 was installed to facilitate better sample collection (i.e. less turbid samples compared with MW-7) in the southern portion of the property.

On June 6, 2012, the four shallow monitoring wells were installed using hollow stem augers to approximate depths of 13 feet bgs. The shallow monitoring wells were completed with 10 ft of 2-inch diameter PVC 0.01-inch slot well screen and 3 ft of 2-inch diameter PVC casing. Filter sand was placed in the annulus space surrounding the screens extending to approximately one ft above the screens. An approximate 1 ft bentonite seal was placed on top of the filter sand. The remaining annulus space was filled with grout. The surface at each monitoring well location was

completed with an 8-inch steel manhole cover flush with the ground surface and secured with a 2 ft by 2 ft concrete pad. Well construction diagrams and well records are provided in Appendix D.

Following installation, the monitoring wells were properly developed, and then allowed to equilibrate. Once the wells equilibrated, H&H collected water level data from both new and existing monitoring wells. Groundwater samples were then collected from the newly installed wells via low flow purging methods to minimize sample turbidity as detailed in section 5.1. It should be noted that due to the tightness of the clay formation, water was not present in MW-11 following installation. As such, MW-11 was allowed to recharge, and a sample was collected on June 21, 2012.

Upon collection, groundwater samples were placed in a cooler on ice and shipped to Pace for analysis. Samples were maintained under an appropriate chain-of-custody from the time the samples were collected until receipt by the laboratory. Groundwater samples collected during the Final RI activities were submitted to Pace for analysis of HSL metals including hexavalent chromium.

6.2 Final Remedial Investigation Results

6.2.1 Soil Assessment Results

Several HSL metals were detected at concentrations above laboratory method detection limits in the soil samples collected from the assessment and background borings including arsenic, beryllium, cadmium, chromium, hexavalent chromium, copper, lead, manganese, mercury, nickel, and zinc. Of these HSL metals, only arsenic, hexavalent chromium, and mercury were detected in at least one sample at concentrations exceeding at least one of their respective IHSB soil remediation goals (SRGs). The results of these metals are discussed further below. A summary of soil analytical data is provided on Table 3. Soil boring locations are provided on Figure 2.

Arsenic

Arsenic was detected in three of the soil samples collected from the assessment borings at concentrations of 0.49 mg/kg (SB-4), 0.69 mg/kg (SB-2), and 1.6 mg/kg (SB-6) which exceed its residential HBSRG of 0.39 mg/kg. However, these detections are below the industrial HBSRG of 1.6 mg/kg and the PGSRG of 5.8 mg/kg. Additionally, these detections are comparable to the site-specific background concentrations (<0.48 mg/kg to 1.1 mg/kg) detected in the soil samples collected from B-1 through BG-6. As such, these detections are considered to be naturally occurring.

Arsenic was detected at a concentration of 2.1 mg/kg in the soil sample collected from boring SB-1, which exceeds its residential and industrial HBSRGs and is slightly outside the range of the site-specific background concentrations. This arsenic concentration is below its PGSRG of 5.8 mg/kg. Because this detection of arsenic only slightly exceeds site-specific background concentrations and because arsenic is not known to have been utilized by the facility, it does not appear to the result of historical site operations. SB-1 was collected under the site building. Because fill material was used during building construction, it is possible that the fill material was sourced at a nearby area with slightly higher levels of naturally occurring of arsenic. The published range of naturally occurring arsenic in North Carolina is 1 to 18 mg/kg (Elements in North American Soils), and the published range of arsenic in the eastern US is <1 to 73 mg/kg (USGS Element Concentrations in Soils and Other Surficial Materials of the Conterminous US). The detected arsenic concentration of 2.1 mg/kg is on the lowest end of these published ranges of naturally occurring arsenic concentrations. Based on these considerations, the detected arsenic is not considered to represent an impact to soil.

Even if the arsenic detection in SB-1 is not naturally occurring, the extent of arsenic above standards is defined by nearby borings SB-5, BG-1, SB-2, and SB-3. Therefore, no further assessment is warranted.

Hexavalent Chromium

Hexavalent chromium was detected at a concentration of 0.72 mg/kg in the soil sample collected

from boring BG-2, which exceeds its residential HBSRG of 0.29 mg/kg, but is below its industrial HBSRG of 5.6 mg/kg and its PGSRG of 3.8 mg/kg. The detected concentration is only slightly above its laboratory reporting limit. In that the hexavalent chromium detection was in a background soil sample location, the detection is considered to be naturally occurring. Because groundwater is observed within inches of ground surface at the site during wet periods and hexavalent chromium can occur naturally in groundwater, this detection may be due to the presence of shallow groundwater. Because this detection is considered naturally occurring and not the result of historical site activities and because hexavalent chromium was not detected above SRGs at the other locations, additional assessment is not warranted.

Mercury

Mercury was detected at a concentration of 1.7 mg/kg in the soil sample collected from boring BG-1, which exceeds its PGSRG of 1.0 mg/kg, but is below its residential and industrial HBSRGs of 2.0 mg/kg and 3.1 mg/kg, respectively. Because this detection was at a background boring location, it is considered a naturally occurring concentration. Although naturally occurring, it should be noted that mercury does not present a site-specific leaching concern, as mercury has not been detected in site groundwater as detailed in the following section. Because the detection of mercury is considered naturally occurring, and because it does not present a site-specific leaching concern, no additional assessment is warranted.

6.2.2 Groundwater Assessment Results

As previously stated, additional groundwater assessment was conducted to evaluate whether cadmium, chromium, lead, manganese, and selenium detected during the Phase I RI were naturally occurring or the result of historical site operations. These metals, along with antimony, are discussed in further detail below as each of these metals was detected in at least one groundwater sample at a concentration exceeding its respective 2L standard. HSL metals not discussed below where either not detected above laboratory method detection limits or were detected at concentrations below their respective 2L standards. Groundwater analytical results are summarized on Table 2.

It should be noted that because the predominate groundwater flow path is considered to be to the northwest (Section 3.5.1), previously installed well MW-5 and newly installed monitoring wells MW-9, MW-10, and MW-11 are considered to be background locations. As such, concentrations of metals detected at site monitoring wells are compared to their respective 2L standards as well as the range of naturally occurring metal concentrations at MW-5, MW-9, MW-10, and MW-11.

Antimony

Antimony was detected in background monitoring wells MW-9 and MW-10 at concentrations of 0.0054 mg/l and 0.0067 mg/l, respectively that exceeds its IMAC groundwater standard of 0.001 mg/l. However, because these detections were in samples collected from background monitoring wells, they are considered naturally occurring and not the result of historic site operations. This is supported by the fact that antimony was not detected in the soil samples collected as part of the Final RI.

It should be noted that antimony was not detected in groundwater samples collected during the Phase I RI from monitoring wells W-1, W-2R, MW-5, or MW-7. However, this could be the result of a higher laboratory method detection limits of 0.01 mg/l and not due to the absence of antimony at these locations. Because the detected concentrations of antimony are considered naturally occurring, no additional assessment is warranted.

Cadmium

Cadmium was detected at concentrations 0.0063 mg/l and 0.0027 mg/l in the groundwater samples collected from monitoring wells W-1 and MW-5, respectively during the Phase I RI. The groundwater standard for cadmium is 0.002 mg/l. Cadmium was not detected in the groundwater samples collected during the Final RI activities at concentration above laboratory method detection limits.

Because MW-5 is considered a background monitoring well, the detection of cadmium at this location is considered naturally occurring. Additionally, the detection of cadmium at the W-1

location is likely the result of elevated sample turbidity (45 NTU) and not an indication of a release resulting from historical site operations. This is supported by the fact that cadmium was not detected above laboratory method detection limits in the groundwater sample collected from MW-10 where sample turbidity was low (5.8 NTU), W-1 is upgradient of historical site operations, and cadmium was not detected in soil at concentrations exceeding its PGSRG. Because the detected concentrations of cadmium at the site are naturally occurring (MW-5) or the result of sample turbidity (W-1) and not the result of historical site operations, no additional assessment is warranted.

Chromium

Chromium was detected at concentrations of 0.036 mg/l and 0.057 mg/l in the groundwater samples collected from monitoring wells W-1 and MW-7, respectively during the Phase I RI. The groundwater standard for chromium is 0.010 mg/l. However, as stated is Section 5.2, these detections are likely the result of high sample turbidity (45.4 NTU at W-1 and 539.4 NTU at MW-7) and not the result of historical site operations. This is supported by the fact that chromium was not detected in groundwater samples collected from W-2R, MW-5 MW-8, MW-9, MW-10, or MW-11 where sample turbidity was less than 10 NTU. Because these detections of chromium are likely the result of sample turbidity and not the result of historical site operations, no additional assessment is warranted.

Lead

Lead was detected at concentrations of 0.022 mg/l and 0.023 mg/l in the groundwater samples collected from W-1 and MW-7, respectively during the Phase I RI. The groundwater standard for lead is 0.015 mg/l. However, as stated in section 5.2, these detections are likely the result of high sample turbidity (45.4 NTU at W-1 and 539.4 NTU at MW-7) and not the result of historical site operations. This is supported by the fact that lead was not detected in groundwater samples collected from W-2R, MW-5, MW-8, MW-9, MW-10, or MW-11 where sample turbidity was less than 10 NTU. Because these detections of lead are likely the result of sample turbidity and not the result of historical site operations, no additional assessment is warranted.

Manganese

Manganese was detected at concentrations of 0.13 mg/l and 0.21 mg/l in the groundwater samples collected from monitoring wells W-1 and W-2R, during the Phase I RI. The groundwater standard for manganese is 0.05 mg/l. As such, groundwater samples were collected from newly installed monitoring wells MW-8 through MW-11 during the Final RI to further evaluate whether these detections of manganese were naturally occurring or the result of historic site operations.

Manganese was detected in the groundwater sample collected from MW-8 during the Final RI activities at a concentration of 0.0583 mg/l, which slightly exceeds its 2L standard of 0.050 mg/l. However, manganese was detected in background monitoring wells MW-5 and MW-9 through MW-11 at concentrations ranging from 0.011 mg/l (MW-5) to 0.0846 mg/l (MW-11). As such, the manganese detection at MW-8 is considered naturally occurring. The detections of manganese in W-1 and W-2R slightly exceed this range.

Although the manganese detections at W-1 and W-2R slightly exceed the site-specific background range, these detections may still represent naturally occurring concentrations as supported by results of groundwater samples collected in Burgaw and Pender County as part of the NURE Program. As part of the NURE program (Section 4.6), nine groundwater samples were collected in Burgaw and 93 samples were collected across Pender County. Results of these samples indicate that manganese naturally occurs in groundwater at concentrations ranging from 0.031 mg/l to 0.198 mg/l within Burgaw and at concentrations ranging from 0.017 mg/l to 0.255 mg/l in groundwater across Pender County. Because the detections of manganese at W-1 and W-2R are within these ranges, they could be considered naturally occurring.

However, because the REC program prefers site-specific data be used to establish naturally occurring concentrations of metals and to be conservative, these detections of manganese are considered impacts potentially related to historic site activities and will be addressed in the RAP. Because manganese was detected either below its 2L standard or within site-specific background range at the other monitoring well locations, the extent of manganese impacted groundwater is

defined to the north by MW-10, to the east by MW-5, to the south by MW-8 and to the west by MW-9 and MW-11. As such, the extent of manganese impacted groundwater is adequately defined and additional assessment is not warranted.

Selenium

Selenium was detected at a concentration of 0.026 mg/l in the groundwater sample collected from monitoring well W-2R during the Phase I RI. This detection was only slightly above the laboratory reporting limit. The groundwater standard for selenium is 0.02 mg/l. Groundwater samples were collected from newly installed monitoring wells MW-8 through MW-11 during the Final RI to further evaluate whether this detection of selenium was naturally occurring or the result of historic site operations. Analytical results of the additional groundwater samples collected from these perimeter monitoring wells indicate that selenium is not present at concentrations exceeding laboratory method detection limits. Published naturally occurring selenium levels in groundwater were not identified.

Because W-2R is located adjacent to the former chemical storage shed and to be conservative, the selenium detection may be an impact potentially related to historical site operations. This selenium detection will be addressed in the RAP. Because selenium was not detected at the other monitoring wells, the extent of selenium impacted groundwater is defined to the north by W-1 and MW-10, to the east by MW-5, to the south by MW-8 and to the west by MW-9 and MW-11. As such, the extent of selenium impacted groundwater is adequately defined and additional assessment is not warranted.

Vertical and Horizontal Extent

The vertical and horizontal extent of groundwater impacts is defined. Chlorinated VOC detections in groundwater were defined previously as described in the RI Work Plan. Chlorinated VOCs are limited to shallow groundwater. In addition, a confining unit separates shallow and deeper groundwater. The low levels of selenium and manganese in shallow groundwater are laterally defined and are not expected in the deeper aquifer based on the absence

of the more mobile VOCs in the deeper aquifer and the presence of the underlying confining unit. Impacted groundwater is within the boundaries of the subject property.

Results of the Phase I and Final Remedial Investigation activities indicate that impacts to groundwater are confined to the central area of the property. The extent of groundwater impacts above unrestricted use and/or background concentrations are provided on Figure 8.

7.0 Conceptual Site Model

The conceptual site model (CSM) describes the relationship of likely sources, potential release mechanisms, potential exposure routes, and potential receptors at the site. For the subject site, the following exposure pathways were evaluated:

- Direct contact with impacted soil;
- Wind transport of impacted soil;
- Stormwater runoff;
- Leaching to groundwater and groundwater use;
- Groundwater migration to surface water;
- Vapor Migration; and
- Ecological receptors.

The following sections provide a basis for the CSM.

7.1 Potential Sources

As detailed in the CAP dated May 18, 2000, a sump in the former chemical storage shed, which was located immediately southeast of the manufacturing building is considered the likely source of VOC impacts to groundwater at the site. As stated previously, PCE utilized at the facility to clean printing plates was likely stored in the former chemical storage shed. Prior to the RI assessment activities, the VOCs PCE, TCE, cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride were considered the primary COCs at the site.

However, results of the RI assessment activities indicate that manganese and selenium detections in groundwater are potentially the result of historical site operations as both these metals were detected near the former chemical storage shed at concentrations exceeding both their respective 2L standards and site-specific background concentrations. Manganese and selenium can be used in dyes and inks as pigments and/or drying agents. Because manganese and selenium containing

inks were potentially stored in the former chemical storage shed, the shed is also considered the likely source of the manganese and selenium impacts detected in groundwater. This is supported by the fact that soil samples collected under the facility building near former printing plate washing activities and label printing operations as part of the Final RI did not indicate the presence of the site COCs at concentrations exceeding IHSB soil remediation goals (SRGs) or site-specific background concentrations with the exception of arsenic.

The arsenic detection in the soil sample collected from SB-1 exceeds its IHSB SRGs and site-specific background concentrations, but the source is unknown because arsenic containing materials are not known to have been utilized at the facility. Sample SB-1 was collected under the building. It is possible that fill material used during building construction was sourced from a nearby area with slightly higher naturally occurring arsenic levels than those found on the site. The highest detected on-site arsenic concentration of 2.1 mg/kg is on the low end of the range of naturally occurring arsenic for North Carolina and the Eastern US based on published sources. Based on these considerations, the detected arsenic is assumed to represent naturally occurring conditions.

The release mechanisms and release quantities that resulted in the groundwater impacts at the site are not known. However, development of this CSM assumes that contributing factors to groundwater impacts were the result of poor chemical handling procedures in and near the former chemical shed. Chemicals spilled or leaked in the former shed would likely accumulate within the concrete sump located in the shed. Because of the shallow groundwater in the vicinity of the shed (1 to 2 ft bgs), this sump was located at or below the water table. As such, chemicals that accumulated in this sump were likely discharged directly to groundwater and not to surficial soils. This is supported by the fact that soil samples collected below the shed upon demolition contained low level detections of the PCE degradation products TCE and cis-1,2-DCE at concentrations up to 0.270 mg/kg and 0.0084 mg/kg, respectively. Because PCE does not degrade under aerobic conditions such as typically present in unsaturated soils, and because TCE and cis-1,2-DCE were not used as raw products in Prestige operations, impacted groundwater brought these compounds to surface soils during high water table conditions. As such, low levels

of chlorinated VOCs detected in shallow soils during previous assessment activities are due to the presence of shallow groundwater. Additionally, the concentrations of chlorinated VOCs in groundwater have steadily declined over time which would not be expected if impacted soils were a continuing secondary source of groundwater impacts.

7.2 Exposure Pathways and Receptors

The following is an evaluation of potential exposure pathways at the site.

Direct Contact with Impacted Soil

Because the basis of this CSM is that groundwater impacts at the site are the result of a direct VOC release to groundwater and not the result of surficial soil impacts leaching to groundwater, exposure to impacted soil is not considered a completed pathway at the site. Concrete now covers the chlorinated VOC release area at the former chemical storage shed, which reduces or eliminates the exposure risk. As such, the direct contact with VOC impacted soil is not considered a completed exposure pathway at the site.

Wind Transport

Because the site is predominantly grass, concrete, or asphalt covered, dust generation is not judged to be a significant contributor to constituent migration. As such, wind transport is not considered to provide a potential exposure pathway at the site.

Stormwater Runoff

Stormwater runoff at the site is towards drainage ditches located along the northern, eastern, and southern property boundaries. These ditches are typically dry and only receive runoff during precipitation events. The drainage ditch to the north is deeper and may also receive groundwater discharge when water levels are high as detailed below. Because surficial soils are not impacted and/or are covered by concrete, contact with impacted stormwater runoff from the site is not likely. As such, direct contact with impacted stormwater is not considered a potential exposure pathway at the site.

Leaching to Groundwater and Groundwater Use

Because VOC groundwater impacts at the site are the result of a direct release to groundwater and not the result of impacted surficial soil leaching to groundwater, leaching to groundwater is not considered a completed pathway at the site. Metal concentrations do not exceed PGSRGs and/or background concentrations.

Groundwater is not used for any purpose at the site. As stated in the RI Work Plan, the closest water supply wells to the subject site are located on the Phoenix Technology property, which is located immediately to the south and upgradient of the subject site. These water supply wells are reportedly constructed to depths of 325 ft and are utilized for cooling water in a closed circuit system for the manufacturing processes conducted at the facility. The Town of Burgaw supplies potable water to the Phoenix Technology property (and the subject site). Groundwater impacts are confined to shallow groundwater within the subject property boundaries. Because groundwater is not used for any purpose on the subject site, the closest water supply wells are for industrial purposes, deeper groundwater is not impacted by the site COCs, and because municipal water is readily available in the area, human exposure to impacted groundwater through consumption is not considered a completed exposure pathway.

Groundwater Migration to Surface Water

VOC and metal impacts in groundwater are expected to migrate in the direction of groundwater flow which is interpreted to the northwest. As previously stated, drainage ditches to the north, east, and west border the subject property. A review of groundwater elevations across the property and the surface elevations at the base of the drainage ditches indicate that the bottom of the northern drainage ditch is likely below the water table. Because groundwater flow has a northern component, there is a potential that site groundwater impacts could discharge to the northern drainage ditch. However, site COCs have not been detected at monitoring wells W-1, MW-10, or MW-11 (with the exception of manganese at W-1) at concentrations exceeding their respective 2L standards suggesting that impacted groundwater is not currently discharging to this ditch. However, due to the relatively close proximity of the ditch to known groundwater impacts, groundwater migration to surface water is considered a potential exposure pathway.

Vapor Migration

In an email dated March 7, 2011, the IHSB toxicologist previously determined that vapor intrusion is not a concern at the site, as the cumulative risk of the VOCs in groundwater does not exceed the 1×10^{-4} threshold. Additionally, manganese and selenium have high volatilization points and do not present a vapor intrusion threat. As such, vapor intrusion from impacted groundwater is not considered to be a completed exposure pathway.

Ecological Evaluation

Ecological receptors were considered as part of the development of this CSM. As previously stated, the subject site is comprised of approximately 5.7 acres of land. The eastern portion of the property was developed for industrial use while the western portion of the site remains undeveloped wooded land. This wooded portion of the property may provide habitat for various mammals and/or avian species. However, because the site COCs have been defined and are limited to the industrial portion of the property, which does not provide necessary habitat, ecological receptors are not considered a completed exposure pathway at the site.

8.0 Conclusions and Risk-Based Corrective Action Eligibility Evaluation

Based upon the results of past assessment activities, the Phase I RI assessment activities, the Final RI assessment activities, and the CSM, H&H has developed the following conclusions:

- The likely source of groundwater impacts are the result of spill and leaks of chemicals stored in the former chemical shed entering a sump and discharging directly to groundwater.
- Unsaturated zone Soil at the site is not impacted with VOCs and does not represent a continuing source of groundwater impacts. VOCs detected at low concentrations in surficial soils during previous assessment activities are the result of impacted shallow groundwater.
- Metals detected in soil samples collected during the RI either are below their respective SRGs or were within range of their site-specific background concentrations with the exception of arsenic. Arsenic was detected in one sample at a concentration slightly above site-specific background concentrations. This sample was collected under the site building. It is possible that fill material used during building construction was sourced from a nearby area with slightly higher naturally occurring arsenic levels than those found on the site. The highest detected on-site arsenic concentration of 2.1 mg/kg is on the low end of the range of naturally occurring arsenic for North Carolina and the Eastern US based on published sources. Based on these considerations, the detected arsenic is assumed to represent naturally occurring conditions.
- Impacts to shallow groundwater include the VOCs PCE, TCE, cis-1,2-DCE, and vinyl chloride, and potentially the metals manganese and selenium.
- The detections of manganese and selenium in shallow groundwater could be naturally occurring. However, because both the elevated detections of manganese and selenium were near the former chemical storage shed, and because the REC program prefers comparison to site-specific background concentrations, these detections are being considered impacts potentially related to historical site operations and will be addressed in the subsequent RAP.

- The deeper aquifer at the site has not been impacted and a confining unit separates the shallow and deeper aquifers.
- Shallow groundwater flow at the site is interpreted to be to the northwest and could discharge to the ditch located along the northern property boundary. Shallow groundwater flow velocity was calculated to be approximately 4 ft/year.
- Based on the previous site assessment activities and the current RI activities summarized in this report, the extent of impacted groundwater has been defined on-site and has not migrated to off-site properties at concentrations exceeding unrestricted use levels.
- Impacted groundwater migrating to surface water is considered the most likely exposure pathway at the site.

Based on historical site information provided in the Phase I RI Work Plan and the results of the RI contained herein, H&H has determined the site to be eligible to pursue risk-based corrective action based on a review of the requirements detailed in the *Eligibility Requirements and Procedures for Risk-Based Remediation of Industrial Sites Pursuant to NCGS 130A-310.65* to *310.73* dated July 29, 2011 as summarized below:

- Groundwater contamination at concentrations exceeding 2L groundwater standards is within the boundaries of the subject property. Based on the long groundwater monitoring history and groundwater flow direction, the plume is not expected to migrate off-site in the future. Predictions on plume migration will be evaluated during the RAP.
- Remediation at the site is governed by voluntary actions under G.S. 130A-310.9 of the Inactive Hazardous Sites Response Act of 1987.
- The site has been utilized for production of a commercial product (ink) since development from pristine land when the first site building was constructed in 1988.
- Because groundwater impacts are the result of a direct release and not the result of impacted soil leaching to groundwater, it is not likely that noncontaminated media will be impacted above unrestricted use levels.

- Impacted groundwater was reported to the Department prior to March 1, 2011 as documented by the REC Administrative Agreement execution date of November 23, 2010 (and other reports).

Because the site appears eligible to pursue risk-based corrective action, the subsequent RAP will be prepared with that objective. The RAP will contain the following:

- An evaluation of the fate and transport of groundwater impacts;
- Calculation of risk-based remediation standards;
- A summary of the current and future uses of the property and site groundwater;
- A review of remedial technologies, if deemed warranted;
- A summary of proposed land use restrictions; and
- An evaluation of the risks and effectiveness of the proposed remedial action plan.

9.0 References

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Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States, US Geological Survey, 1984.

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Eligibility Requirements and Procedures for Risk-Based Remediation of Industrial Sites Pursuant to N.C.G.S. 130A-310.65 to 310.77, DENR Division of Waste Management, July 2011.

General Assembly of North Carolina *Session Law 2011-186 House Bill 45*, June 2011.

Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the Elizabethtown 30 x 60 Minute Quadrangles – NURE Database, North Carolina Department of Environment, Health, and Natural Resources, July 1993.

Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the New River 30 x 60 Minute Quadrangles – NURE Database, North Carolina Department of Environment, Health, and Natural Resources, July 1993.

Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the Wilmington and Cape Fear 30 x 60 Minute Quadrangles – NURE Database, North Carolina Department of Environment, Health, and Natural Resources, July 1993.

North Carolina Dry-Cleaning Solvent Cleanup Act (DSCA) Programs Risk-Based Corrective Action (RBCA), DENR Division of Waste Management, March 2007.

Geologic Map of North Carolina, North Carolina Geological Survey, 1985.

Registered Environmental Consultant Program Implementation Guidance, DENR Division of Waste Management Superfund Section Inactive Hazardous Sites Branch, August 2011 and December 2012.

Soil Screening Guidance – Technical Background Document, Environmental Protection Agency, July 1996.

Soil Survey of Pender County, North Carolina, United States Department of Agriculture, April 1990.

Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water, Environmental Protection Agency, September 1998.

Table 1 (Page 1 of 2)
Groundwater Elevations Summary
Prestige Label
Burgaw, North Carolina
H&H Project No. HEY-002

Well ID	Date	TOC Elevation (ft above MSL)	Depth to Water (ft below TOC)	Groundwater Elevation (ft above MSL)
W-1	4/26/2011	50.16	1.66	48.50
	6/6/2012	50.16	1.98	48.18
	10/24/2012	50.16	2.68	47.48
W-2R	4/26/2011	49.28	1.85	47.43
	6/6/2012	49.28	2.12	47.16
	10/24/2012	49.28	2.17	47.11
MW-1R	6/6/2012	49.45	1.61	47.84
	10/24/2012	49.45	2.42	47.03
MW-3R	6/6/2012	48.25	1.78	46.47
	10/24/2012	48.25	1.77	46.48
MW-4	6/6/2012	50.59	2.36	48.23
	10/24/2012	NG	NG	NG
MW-5	4/26/2011	49.56	1.00	48.56
	6/6/2012	49.56	1.41	48.15
	10/24/2012	49.56	1.77	47.79
MW-6	6/6/2012	50.47	2.75	47.72
	10/24/2012	50.47	2.97	47.50
MW-7	4/26/2011	53.90	6.11	47.79
	6/6/2012	53.90	6.32	47.58
	10/24/2012	53.90	6.42	47.48
MW-8	6/6/2012	49.84	9.01	40.83
	6/21/2012	49.84	2.79	47.05
	10/24/2012	49.84	2.41	47.43
MW-9	6/6/2012	50.48	9.02	41.46
	6/21/2012	50.48	3.11	47.37
	10/24/2012	50.48	2.86	47.62

Table 1 (Page 2 of 2)
Groundwater Elevations Summary
Prestige Label
Burgaw, North Carolina
H&H Project No. HEY-002

Well ID	Date	TOC Elevation (ft above MSL)	Depth to Water (ft below TOC)	Groundwater Elevation (ft above MSL)
MW-10	6/6/2012	48.94	1.28	47.66
	6/21/2012	48.94	1.72	47.22
	10/24/2012	48.94	1.76	47.18
MW-11	6/6/2012	50.16	DRY	NS
	6/21/2012	50.16	7.26	42.90
	10/24/2012	50.16	5.95	44.21
MW-5D	6/6/2012	49.66	10.67	38.99
	10/24/2012	49.66	10.19	39.47
MW-6D	6/6/2012	50.44	11.37	39.07
	10/24/2012	50.44	10.61	39.83
T-1R	6/6/2012	50.42	10.47	39.95
	10/24/2012	50.42	9.98	40.44

Notes:
MSL = Mean Sea Level

TOC = Top-of-Casing

NG = Not gauged

MW-8 and MW-9 water levels were not at equilibrium when gauged 6/6/12

Table 2
Summary of Groundwater Analytical Data
Prestige Label
Burgaw, North Carolina
H&H Job No. HEY-002

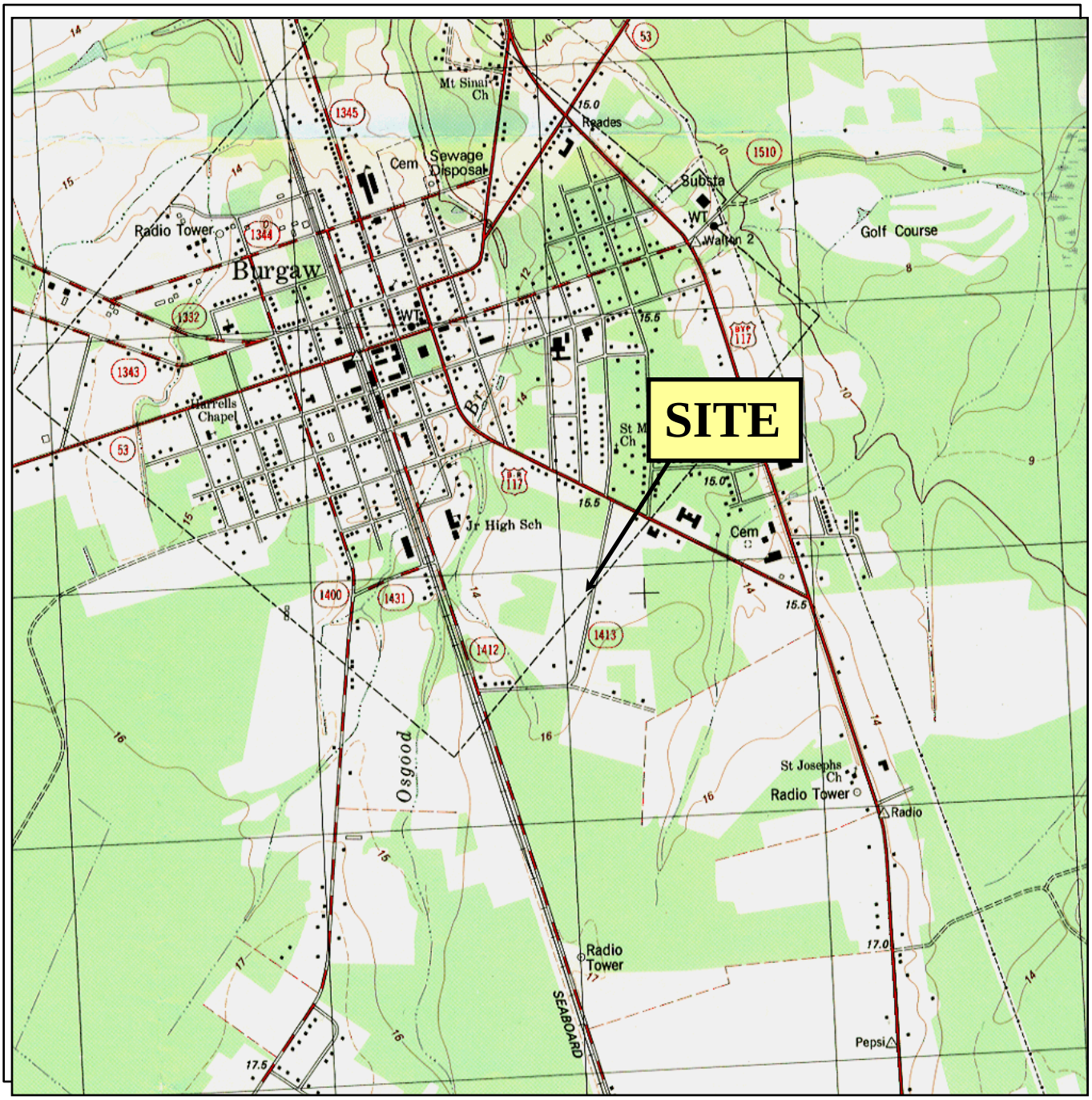
Sample ID	Screening Criteria				Assessment Monitoring Wells					Background Monitoring Wells				
					W-1	W-2R	DUP-042611	MW-7	MW-8	MW-5	MW-9	MW-10	MW-10 (DUP)	MW-11
Sample Date	NC 2L Standard	Site-Sepcific Background Concentrations	NURE Database Burgaw Quadrangle Range	NURE Database Pender County Range	4/26/2011	4/26/2011	4/26/2011	4/26/2011	6/7/2012	4/26/2011	6/7/2012	6/7/2012	6/7/2012	6/21/2012
1,4-Dioxane (8260B SIM)														
µg/L	3	---	---	---	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA
SVOCs (8270C)														
µg/L	NS	---	---	---	BRL	BRL	BRL	NA	NA	NA	NA	NA	NA	NA
TICs (8270D)														
µg/L														
Unknown Compound	NS	---	---	---	28	58	48	NA	NA	NA	NA	NA	NA	NA
Squalene	NS	---	---	---	BRL	BRL	16	NA	NA	NA	NA	NA	NA	NA
Turbidity														
NTU	---	---	---	---	45.4	5.83	5.83	539.4	1.49	2.97	8.92	6.24	6.24	10.78
RCRA Metals (6010C/7470A)														
mg/L														
Antimony	0.001*	<0.0050 to 0.0067	NA	NA	<0.010	<0.010	<0.010	<0.010	<0.0050	<0.010	0.0054	0.0067	<0.0050	<0.0050
Cadmium	0.002	<0.0010 to 0.0027	NA	NA	**0.0063**	<0.0010	<0.0010	<0.0010	<0.0010	0.0027	<0.0010	<0.0010	<0.0010	<0.0010
Chromium	0.010	<0.0050 to <0.0050	NA	NA	**0.036**	<0.0050	<0.0050	**0.057**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Copper	1.0	<0.0050 to <0.010	NA	NA	0.014	<0.010	<0.010	<0.010	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
Lead	0.015	<0.0050 to <0.0050	NA	NA	**0.022**	<0.0050	<0.0050	**0.023**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Manganese	0.050	0.011 to 0.0848	0.031 to 0.198	0.017 to 0.255	**0.13**	**0.21**	**0.21**	0.039	0.0583	0.011	0.0511	0.052	0.051	0.0846
Nickel	0.10	<0.0050 to 0.0094	NA	NA	0.026	<0.010	<0.010	0.011	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	0.0094
Selenium	0.020	<0.010 to <0.020	NA	NA	<0.020	**0.026**	**0.025**	<0.020	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010
Zinc	1.0	0.0151 to 0.389	NA	NA	0.34	<0.030	0.035	0.037	0.188	<0.030	0.389	0.0151	0.016	0.116

Notes:
Units are in micrograms per liter (µg/L) except for metals which are reported in milligrams per liter (mg/L)
Only those compounds detected in at least one sample are shown above
NURE = National Uranium Resources Evaluation Program
Burgaw Quadrangle data range based on 9 data points
Pender County data range based on 93 data points
Bold indicates an exceedance of the NC 2L Standard (January 2010) and/or site-specific background concentration ranges
***** NC 2L Interim Maximum Allowable Concentration (IMAC)
Method number follows parameter in parenthesis
SVOCs = semi-volatile organic compounds
TICS = tentatively identified compounds
NS = screening criteria not specified; NA = not analyzed; -- = Not applicable

Table 3
Summary of Soil Analytical Data
Prestige Label
Burgaw, North Carolina
H&H Job No. HEY-002

Sample ID	Screening Criteria						Assessment Borings							Background Borings					
Depth (ft bgs)							SB-1	SB-2	SB-3	SB-3 (DUP)	SB-4	SB-5	SB-6	BG-1	BG-2	BG-3	BG-4	BG-5	BG-6
Sample Date							0.5-1.5	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	4-5	4-5
	IHSB PSRGs				Background Metal Ranges		6/5/12	6/5/12	6/5/12	6/5/12	6/5/12	6/5/12	6/5/12	6/5/12	6/5/12	6/5/12	6/5/12	6/6/2012	6/6/2012
	Residential Soil[1]	Industrial Soil[2]	Protection of Groundwater[3]	Site-Specific Background Concentrations	Elements in NA Soils[4]	USGS Elements in Soils[5]													
Hexavalent Chromium (7196) mg/kg	0.29	5.6	3.8	<0.45 - 0.72	NS	NS	<0.46	<0.45	<0.54	<0.56	<0.43	<0.56	<0.62	<0.47	0.72	<0.47	<0.53	<0.45	<0.56
HSL Metals (6010C/7471*) mg/kg																			
Arsenic	0.39	1.6	5.8	<0.48 - 1.1	1.0 - 18	<1.0 - 73	**2.1**	0.69	<0.56	<0.42	0.49	<0.55	1.6	<0.48	<0.53	<0.50	1.1	0.55	0.51
Beryllium	32	400	63	<0.062 - 0.13	ND - 2.0	<1 - 7	<0.11	<0.095	<0.11	<0.084	<0.096	<0.11	0.27	<0.097	<0.11	<0.099	0.13	<0.067	<0.062
Cadmium	14	160	3.0	<0.062 - <0.11	ND - 4.0[+]	NS	<0.11	<0.095	<0.11	<0.084	<0.096	<0.11	0.55	<0.097	<0.11	<0.099	<0.11	<0.067	<0.062
Trivalent Chromium	24,000	100,000	360,000	2.6 - 6.8	7.0 - 300	1 - 1,000	10.9	5	5.3	8.4	3.1	4.2	8.1	3.3	3.6	2.6	6.8	2.9	2.9
Copper	620	8,200	700	<0.34 - 0.89	3.0 - 100	<1 - 700	2.7	0.67	<0.56	0.66	0.58	<0.55	1.6	<0.48	<0.53	<0.50	0.89	<0.34	0.36
Lead	400	800	270	2.7 - 5.8	ND - 50	<10 - 300	3.7	3.6	3.8	5.5	2.5	3.4	3.1	3.2	3.4	2.7	3.3	2.9	5.8
Manganese	360	4,600	65	0.011 - 4.1	<2.0 - 7,000[+]	<2 - 7,000	61.8	12.2	8.3	3.5	4.9	7.2	9.9	0.011	1.4	0.87	4.1	0.82	3.8
Mercury	2.0	3.1	1.0	0.0064 - 1.7	0.03 - 0.52	0.01 - 3.4	0.019	0.011	0.012	0.011	0.026	0.010	0.0097	**1.7**	0.013	0.0081	0.010	0.0065	0.0064
Nickel	300	4,000	130	<0.34 - 0.79	ND - 150	<20 - 6,800	5.9	1.9	1.3	2.8	0.82	0.89	1.7	<0.48	<0.53	<0.50	0.79	<0.34	0.39
Zinc	4,600	62,000	1,200	0.81 - 5.0	25 - 124	<5 - 2,900	14.1	3.5	2.8	3.2	1.9	2.0	5.9	1.5	<1.1	1.1	3.6	0.81	5.0

Notes:
1. Inactive Hazardous Sites Branch (IHSB) Preliminary Residential Health-Based Soil Remediation Goal (February 2012)
2. IHSB Preliminary Industrial Health-Based Soil Remediation Goal (February 2012)
3. IHSB Protection of Groundwater Preliminary Soil Remediation Goal (February 2012)
4. Elements in North American Soils: Second Edition, *James Dragun, Ph.D and Khaled Chekiri, Ph.D*
5. Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States, *USGS Professional Paper 1270 (*Eastern United States range used)
Only those compounds detected in at least one sample shown above
Bold indicates an exceedance of the IHSB Preliminary Industrial Health-based Remediation Goal and site-specific background concentration
Bold indicates an exceedance of the IHSB Protection of Groundwater Standard
Mercury analyzed using method 7471
[+] If North Carolina range not specified then Eastern USA range used
Method number follows parameter in parenthesis
NS = screening criteria not specified; NA = not analyzed; -- = Not applicable; ND = Not Detected



N

APPROXIMATE

0 2000 4000

SCALE IN FEET

U.S.G.S. QUADRANGLE MAP

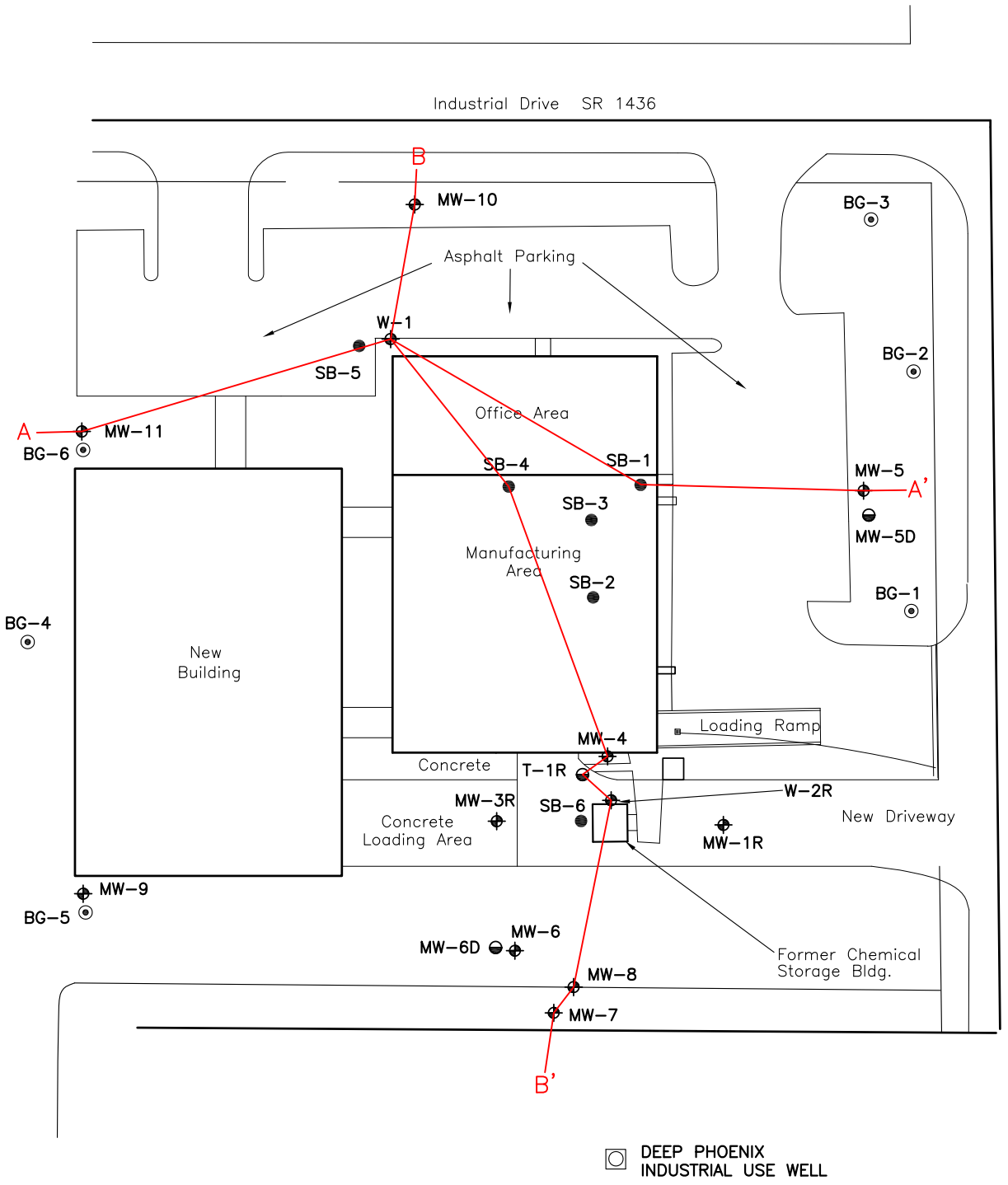
CHARLOTTE EAST, NC 1967

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE	**SITE LOCATION MAP**
PROJECT	H.E.Y. Realty Property 151 Industrial Drive BURGAW, NORTH CAROLINA

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

DATE:	2-11-2013	REVISION NO:	0
JOB NO:	HEY-002	FIGURE:	1



N

APPROXIMATE
0 60 120
SCALE IN FEET

LEGEND

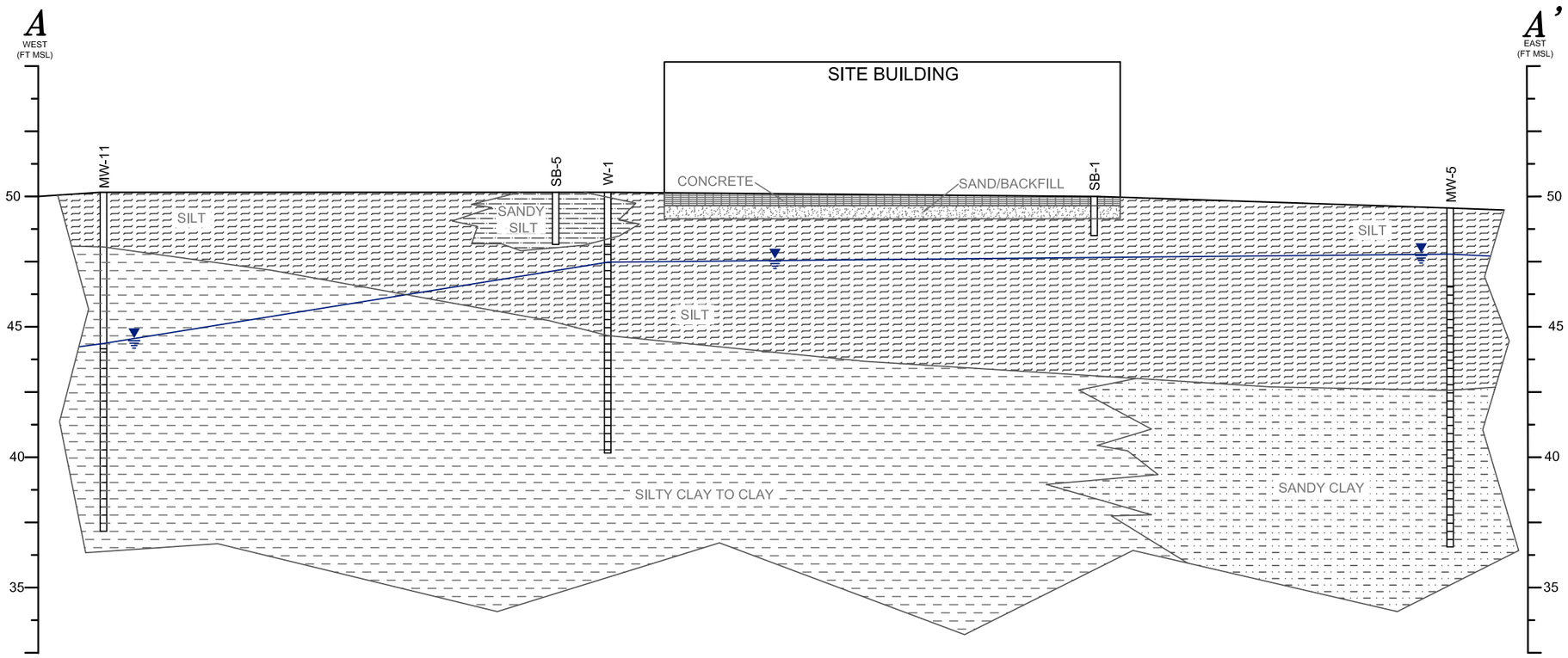
- DEEP MONITORING WELL
- MONITORING WELL (R=REPLACEMENT WELL)
- DRAINAGE DITCH
- SOIL BORING LOCATION
- BACKGROUND SOIL BORING LOCATION

TITLE
SITE PLAN AND CROSS-SECTION LOCATION MAP

PROJECT
H.E.Y. REALTY PROPERTY
151 INDUSTRIAL DRIVE
BURGAW, NORTH CAROLINA

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 02-08-13	REVISION NO. 0
JOB NO. HEY-002	FIGURE NO. 2



LEGEND

MW-4 — MONITORING WELL DEPICTING SCREEN INTERVAL

SOIL BORING

SHALLOW GROUNDWATER ELEVATION

SILTY CLAY

SANDY CLAY

SILT

CLAYEY SAND

5 — APPROXIMATE — 0 30

SCALE IN FEET

TITLE: GENERALIZED GEOLOGIC CROSS-SECTION A-A'

PROJECT: H.E.Y. REALTY PROPERTY
151 INDUSTRIAL DRIVE
BURGAW, NORTH CAROLINA

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
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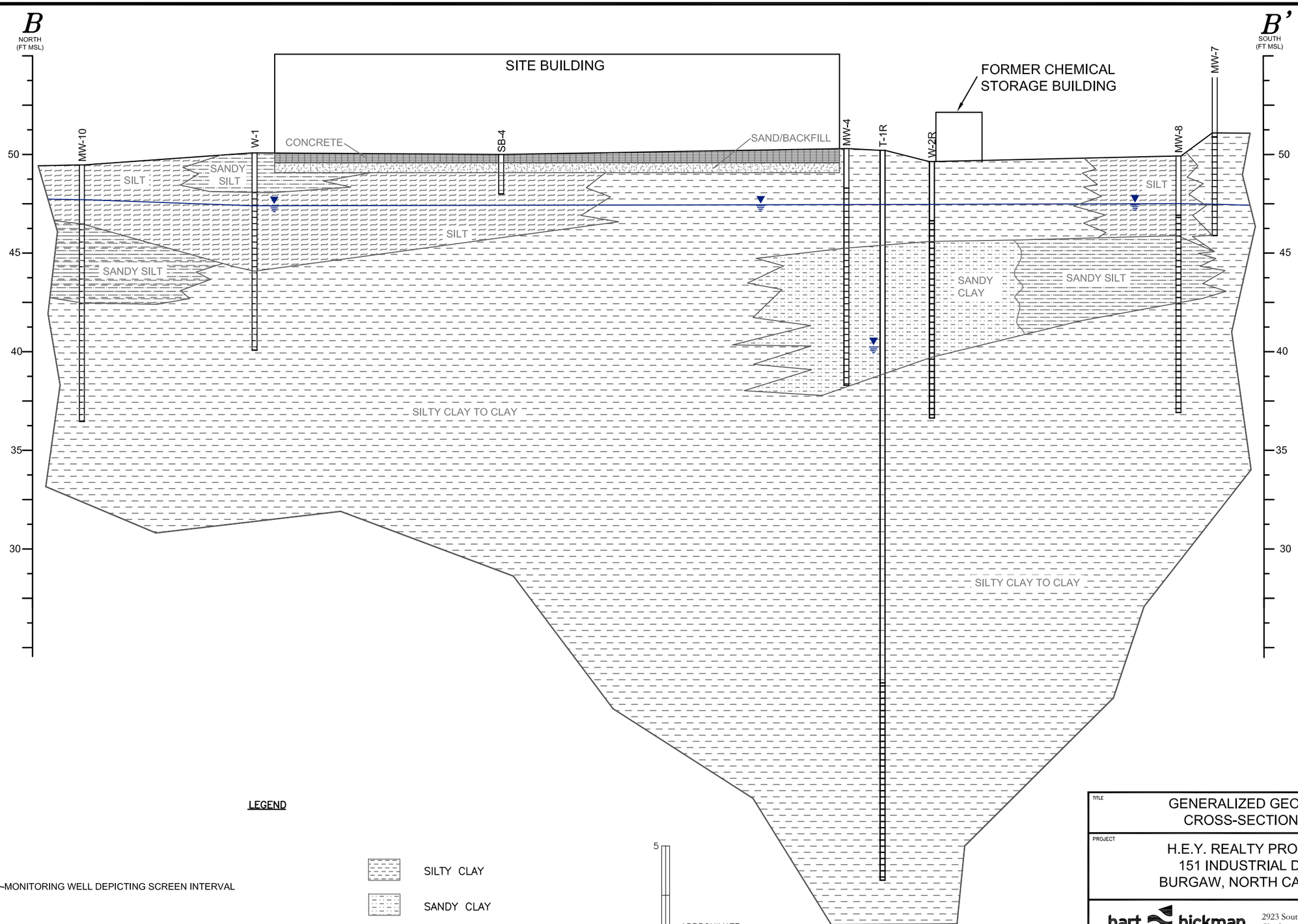
License # C-1269 / #C-245 Geology

DATE: 2-8-13 | REVISION NO. 0

JOB NO. HEY-002 | FIGURE NO. 3



LEGEND

MW-4 — MONITORING WELL DEPICTING SCREEN INTERVAL

SOIL BORING

SHALLOW GROUNDWATER ELEVATION

SILTY CLAY

SANDY CLAY

SILT

SANDY SILT

5
APPROXIMATE
0 30
SCALE IN FEET

TITLE
GENERALIZED GEOLOGIC
CROSS-SECTION B-B'

PROJECT
H.E.Y. REALTY PROPERTY
151 INDUSTRIAL DRIVE
BURGAW, NORTH CAROLINA

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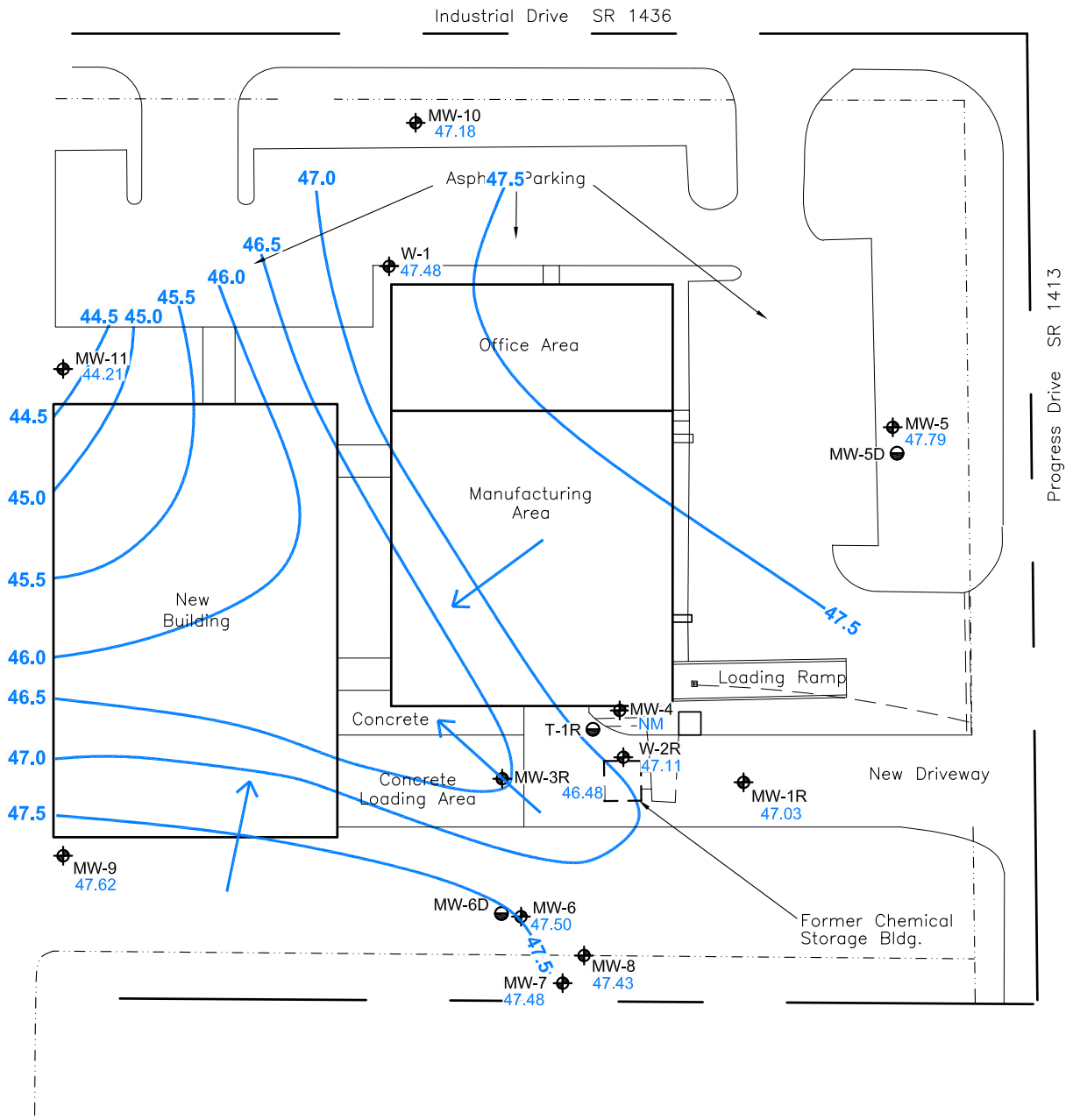
DATE: 2-8-13 | REVISION NO. 0

JOB NO. HEY-002 | FIGURE NO. 4



DEEP PHOENIX INDUSTRIAL USE WELL

N

APPROXIMATE

0 60 120

SCALE IN FEET

LEGEND

- DEEP MONITORING WELL
- MONITORING WELL (R=REPLACEMENT WELL)
- DRAINAGE DITCH
- 47.48 GROUNDWATER ELEVATION (FT)
- NM NOT MEASURED
- 46.5 GROUNDWATER ELEVATION CONTOUR (FT)
- GENERALIZED GROUNDWATER FLOW DIRECTION

TITLE

SHALLOW GROUNDWATER POTENTIOMETRIC SURFACE - OCTOBER 24, 2012

PROJECT

H.E.Y. REALTY PROPERTY
151 INDUSTRIAL DRIVE
BURGAW, NORTH CAROLINA

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SMARTER ENVIRONMENTAL SOLUTIONS
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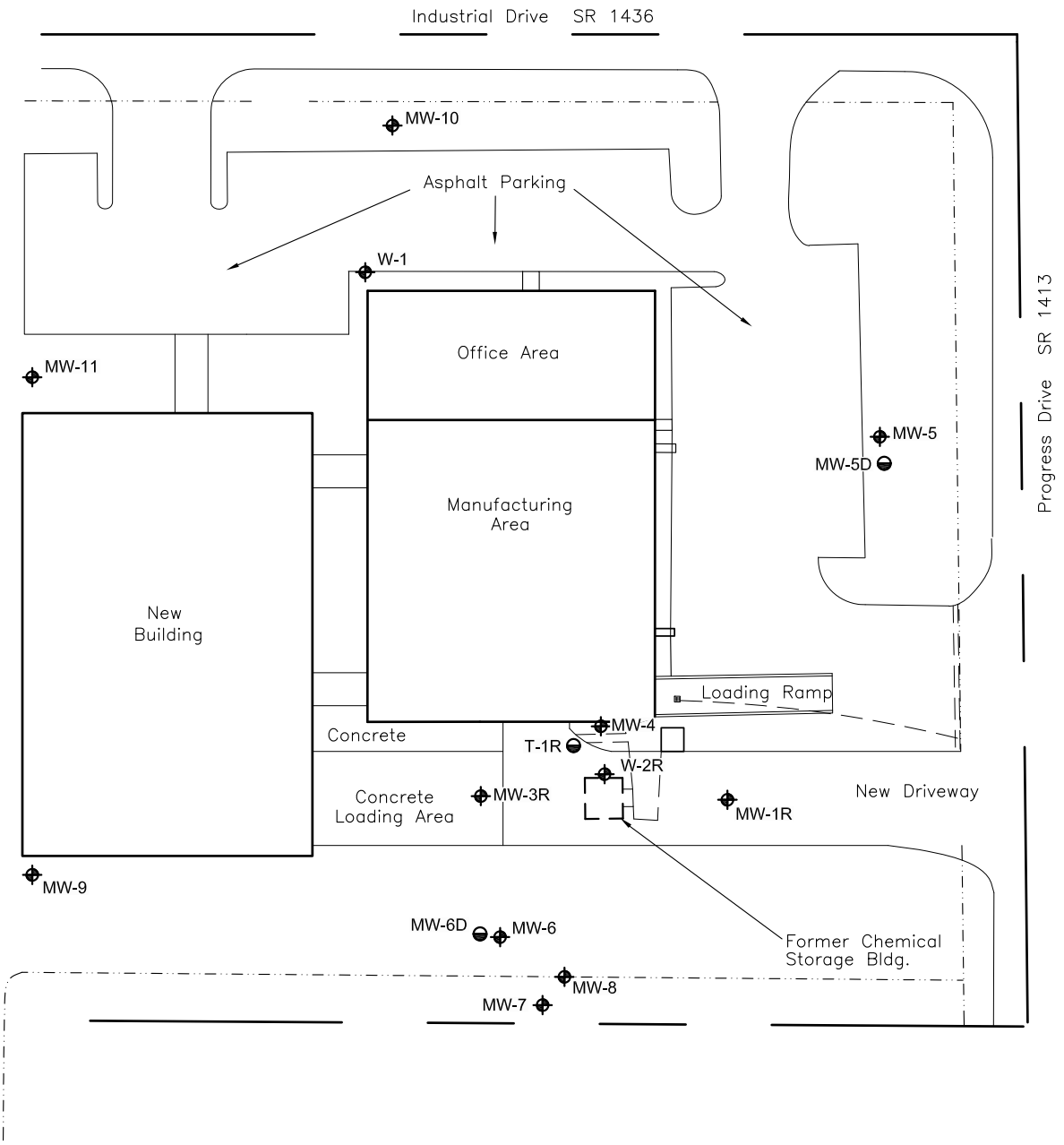
DATE: 11–2–12	REVISION NO. 0
JOB NO. HEY–001	FIGURE NO. 5



LEGEND

- DEEP MONITORING WELL
- MONITORING WELL (R=REPLACEMENT WELL)
- DRAINAGE DITCH
- GROUNDWATER ELEVATION (FT)

TITLE: DEEPER GROUNDWATER ELEVATIONS OCTOBER 24, 2012

PROJECT: H.E.Y. REALTY PROPERTY
151 INDUSTRIAL DRIVE
BURGAW, NORTH CAROLINA

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Charlotte, North Carolina 28203
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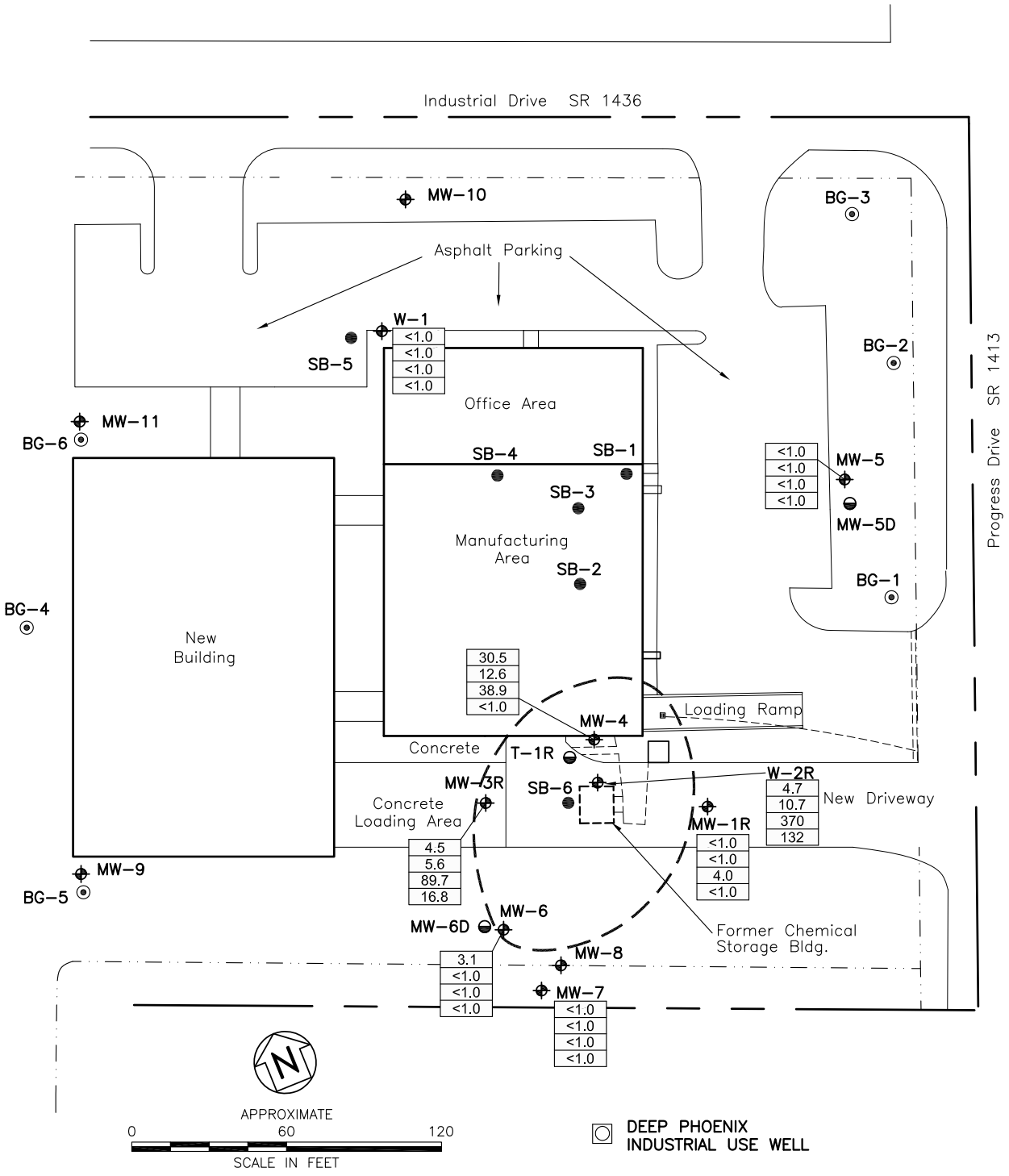
DATE: 10–18–12	REVISION NO. 0
JOB NO. HEY–001	FIGURE NO. 6



LEGEND

- DEEP MONITORING WELL
- MONITORING WELL (R=REPLACEMENT WELL)
- DRAINAGE DITCH
- SOIL BORING LOCATION
- BACKGROUND SOIL BORING LOCATION
- ESTIMATED PLUME EXTENT IN GROUNDWATER JUNE 2010

µg/l

<1.0	=PCE
<1.0	=TCE
<1.0	=CIS-1,2-DCE
<1.0	=VINYL CHLORIDE

TITLE

EXTENT OF VOC PLUME IN SHALLOW GROUNDWATER

PROJECT

H.E.Y. REALTY PROPERTY
151 INDUSTRIAL DRIVE
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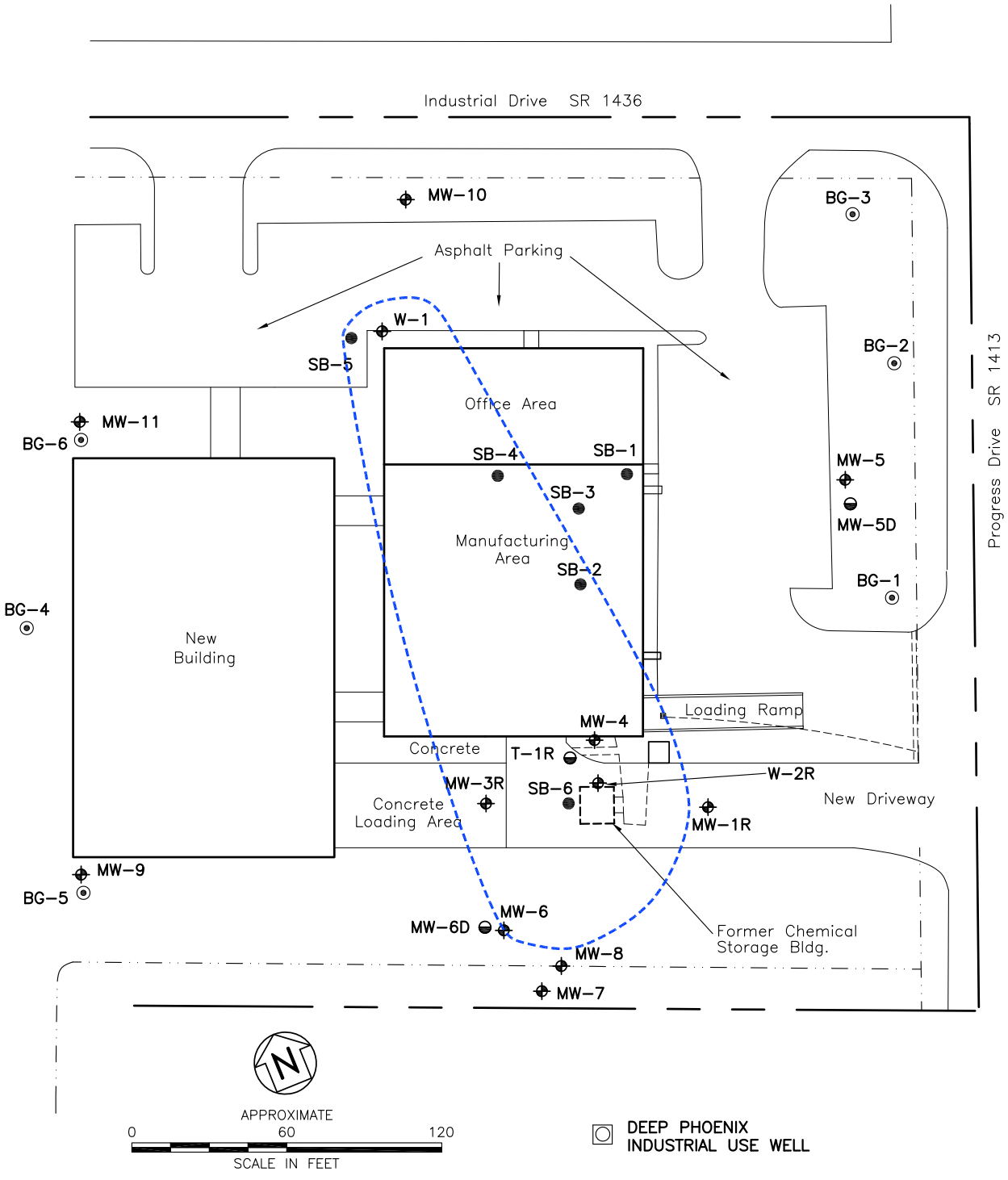
DATE: 2-6-13	REVISION NO. 0
JOB NO: HEY-001	FIGURE NO. 7



LEGEND

- DEEP MONITORING WELL
- MONITORING WELL (R=REPLACEMENT WELL)
- DRAINAGE DITCH
- SOIL BORING LOCATION
- BACKGROUND SOIL BORING LOCATION
- GROUNDWATER IMPACTS ABOVE UNRESTRICTED USE LEVELS

TITLE

AREAS OF IMPACT EXCEEDING UNRESTRICTED USE LEVELS

PROJECT

H.E.Y. REALTY PROPERTY
151 INDUSTRIAL DRIVE
BURGAW, NORTH CAROLINA

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SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 2-6-13	REVISION NO. 0
JOB NO: HEY-001	FIGURE NO. 8

Appendix A

Remediation Party Certification Statement

Registered Site Manager Certification Statement

Phase I Remediation Investigation Completion Certification

Remedial Investigation Completion Certification

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 1 OF 2
IHSB SITE NAME Prestige Labels NONCD0001143
DATE & NAME OF DOCUMENT Remedial Investigation Report
TYPE OF SUBMITTAL (circle all that apply): (Report) Work plan, Work Phase Comp. Statement, Schedule Change

REMEDIATING PARTY DOCUMENT CERTIFICATION STATEMENT (.0306(B)(2))

"I certify under penalty of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

H.E.Y. Realty LLC
Name of Remediating Party

Signature of Remediating Party

3/14/13
Date

NOTARIZATION

NY (Enter State)

KINGS **COUNTY**

I, Hillel Tropper, a Notary Public of said County and State, do hereby certify that Hillel Tropper did personally appear and sign before me this day, produced proper identification in the form of NY Drivers License, was duly sworn or affirmed, and declared that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 13 day of March, 2013.

(OFFICIAL SEAL)

Notary Public (signature)

My commission expires: HILLEL TROPPER
Notary Public, State of New York
No. 01TR6231159
Qualified in Kings County
Commission Expires June 15, 2014

Document Certification Form No. DC - 1
(Revised 8/11)

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 2 OF 2
IHSB SITE NAME Prestige Labels NONCD0001143
DATE & NAME OF DOCUMENT Remedial Investigation Report
TYPE OF SUBMITTAL (circle all that apply): (Report,) Work plan, Work Phase Comp. Statement, Schedule Change

REGISTERED SITE MANAGER CERTIFICATION OF SIGNATURES

As the Registered Environmental Consultant for the Site for which this filing is made, I certify that the signatures included herewith are genuine and authentic original handwritten signatures and/or true, accurate, and complete copies of the genuine and authentic original handwritten signatures of the persons who purport to sign for this filing. I further certify that I have collected through reliable means the originals and/or copies of said signatures from the persons authorized to sign for this filing who, in fact, signed the originals thereof. Those persons and I understand and agree that any copies of signatures have the same legally binding effect as original handwritten signatures, and I certify that any person for whom I am submitting a copy of their signature has provided me with their express consent to submit said copy. Additionally, I certify that I am authorized to attest to the genuineness and authenticity of the signatures, both originals and any copies, being submitted herewith and that by signing below, I do in fact attest to the genuineness and authenticity of all the signatures, both originals and copies, being submitted for this filing.

Matt Bramblett
Name of Registered Site Manager

Matt Bramblett
Signature of Registered Site Manager

3/20/13
Date

REGISTERED SITE MANAGER DOCUMENT CERTIFICATION STATEMENT (.0306(b)(1))

"I certify under penalty of law that I am personally familiar with the information contained in this submittal, including any and all supporting documents accompanying this certification, and that the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete and complies with the Inactive Hazardous Sites Response Act G.S. 130A-310, et seq, and the remedial action program Rules 15A NCAC 13C .0300. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

Matt Bramblett
Name of Registered Site Manager

Matt Bramblett
Signature of Registered Site Manager

3/20/13
Date

NOTARIZATION

North Carolina (Enter State)

Mecklenburg **COUNTY**

I, Jennifer Shumaker, a Notary Public of said County and State, do hereby certify that Matt Bramblett did personally appear and sign before me this day, produced proper identification in the form of SCDL, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certifications is true and accurate, and he or she then signed these Certifications in my presence.

WITNESS my hand and official seal this 20 day of March, 2013.

Jennifer Shumaker
Notary Public (signature)

(OFFICIAL SEAL)

JENNIFER SHUMAKER NOTARY PUBLIC MECKLENBURG COUNTY, N. C. My Comm. Exp. 8/4/2013

My commission expires: 8-4-13.

Document Certification Form No. DC - II
(Revised 8/11)

PHASE I REMEDIAL INVESTIGATION COMPLETION CERTIFICATION
15A NCAC 13C.0306(b)(5)(A)

Media (check all that apply): ☐ All Media ☑ Soil ☑ Ground water ☑ Surface water ☐ Sediment

Site Name: Prestige Labels
County: Pender
Site ID No.: NONCD0001143

Street Address: 151 Industrial Dr
Burgaw, NC 28425

The Phase I remedial investigation, which is the subject of this certification has, to the best of my knowledge, been completed in compliance with the Inactive Hazardous Sites Response Act G.S. 130A-310, et seq. and the remedial action program Rules 15A NCAC 13C .0300, and

Hart & Hickman, PC
[REC Name]

is in compliance with Rules .0305(b)(2) and .0305(b)(3), of this section. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information.

Matt Bramblett
RSM Signature

3/20/13
Date

Matt Bramblett
RSM Name

Hart & Hickman, PC
REC Name

0058
REC No.

2923 S. Tryon St, Ste 100
Mailing Address

Charlotte, NC 28203
City, State, ZIP

NOTARIZATION

North Carolina (Enter State)

Mecklenburg **COUNTY**

I, Jennifer Shumaker, a Notary Public of said County and State, do hereby certify that Matt Bramblett did personally appear and sign before me this day, produced proper identification in the form of SCDL, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 20 day of March, 2013.

Jennifer Shumaker
Notary Public (signature)

(OFFICIAL SEAL)

JENNIFER SHUMAKER NOTARY PUBLIC MECKLENBURG COUNTY, N. C. My Comm. Exp. 8/4/2013

My commission expires: 8-4-13.

REMEDIAL INVESTIGATION COMPLETION CERTIFICATION
15A NCAC 13C.0306(b)(5)(B)

Media (check all that apply): ☐ All Media ☑ Soil ☑ Ground water ☑ Surface water ☐ Sediment

Site Name: Prestige Labels
Street Address: 151 INdustrial Dr
County: Pender
Burgaw, NC 28425
Site ID No.: NONCD 0001143

The remedial investigation, which is the subject of this certification has, to the best of my knowledge, been completed in compliance with the Inactive Hazardous Sites Response Act G.S. 130A-310, et seq. and the remedial action program Rules 15A NCAC 13C .0300, and

Hart & Hickman, PC
[REC Name]

is in compliance with Rules .0305(b)(2) and .0305(b)(3), of this section. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information.

Matt Bramblett
RSM Signature

3/20/13
Date

Matt Bramblett
RSM Name

Hart & Hickman, PC
REC Name

0058
REC No.

2923 S. Tryon St, Ste 100
Mailing Address

Charlotte, NC 28203
City, State, ZIP

NOTARIZATION

North Carolina (Enter State)

Mecklenburg **COUNTY**

I, Jennifer Shumaker, a Notary Public of said County and State, do hereby certify that Matt Bramblett did personally appear and sign before me this day, produced proper identification in the form of SCDL, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 20 day of March, 2013.

Jennifer Shumaker
Notary Public (signature)

(OFFICIAL SEAL)

My commission expires: 8-4-13.

JENNIFER SHUMAKER NOTARY PUBLIC MECKLENBURG COUNTY, N.C. My Comm. Exp. 8/4/2013

Work Phase Completion Form No. WPC – II
(Revised 3/11)

Appendix B

Laboratory Analytical Reports

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions

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

Case Narrative

05/11/2011

Hart & Hickman (Charlotte)
Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Lab Submittal Date: 04/28/2011
Prism Work Order: 1040602

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

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

Respectfully,

PRISM LABORATORIES, INC.

VP Laboratory Services

Reviewed By

Data Qualifiers Key Reference:

L2	LCSD recovery outside of the QC limits. LCS recovery within the limits. No further action taken.
LH	High LCS recovery. Analyte not detected in the sample(s). No further action taken.
SR	Surrogate recovery outside the QC limits.
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

Sample Receipt Summary

05/11/2011

Prism Work Order: 1040602

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
W-1	1040602-01	Water	04/26/11	04/28/11
W-2R	1040602-02	Water	04/26/11	04/28/11
MW-5	1040602-03	Water	04/26/11	04/28/11
MW-7	1040602-04	Water	04/26/11	04/28/11
DUP-042611	1040602-05	Water	04/26/11	04/28/11
EB-042611	1040602-06	Water	04/26/11	04/28/11

Samples received in good condition at 3.1 degrees C unless otherwise noted.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

Summary of Detections

05/11/2011

Prism Work Order: 1040602

Prism ID	Client ID	Parameter	Method	Result	Units
1040602-01	W-1	unknown (1)	*8270D	28	ug/L
1040602-01	W-1	Cadmium	*6010C	0.0063	mg/L
1040602-01	W-1	Chromium	*6010C	0.036	mg/L
1040602-01	W-1	Copper	*6010C	0.014	mg/L
1040602-01	W-1	Lead	*6010C	0.022	mg/L
1040602-01	W-1	Manganese	*6010C	0.13	mg/L
1040602-01	W-1	Nickel	*6010C	0.026	mg/L
1040602-01	W-1	Zinc	*6010C	0.34	mg/L
1040602-02	W-2R	unknown (1)	*8270D	58	ug/L
1040602-02	W-2R	Manganese	*6010C	0.21	mg/L
1040602-02	W-2R	Selenium	*6010C	0.026	mg/L
1040602-03	MW-5	Cadmium	*6010C	0.0027	mg/L
1040602-03	MW-5	Manganese	*6010C	0.011	mg/L
1040602-04	MW-7	Chromium	*6010C	0.057	mg/L
1040602-04	MW-7	Lead	*6010C	0.023	mg/L
1040602-04	MW-7	Manganese	*6010C	0.039	mg/L
1040602-04	MW-7	Nickel	*6010C	0.011	mg/L
1040602-04	MW-7	Zinc	*6010C	0.037	mg/L
1040602-05	DUP-042611	Squalene	*8270D	16	ug/L
1040602-05	DUP-042611	unknown (1)	*8270D	48	ug/L
1040602-05	DUP-042611	Manganese	*6010C	0.21	mg/L
1040602-05	DUP-042611	Selenium	*6010C	0.025	mg/L
1040602-05	DUP-042611	Zinc	*6010C	0.035	mg/L

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: W-1
Prism Sample ID: 1040602-01
Prism Work Order: 1040602
Time Collected: 04/26/11 11:40
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.2	1	*8270D	5/6/11 19:33	KC	P1E0019
1,2-Dichlorobenzene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 19:33	KC	P1E0019
1,3-Dichlorobenzene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 19:33	KC	P1E0019
1,4-Dichlorobenzene	BRL	ug/L	10	2.0	1	*8270D	5/6/11 19:33	KC	P1E0019
2,4,5-Trichlorophenol	BRL	ug/L	10	2.5	1	*8270D	5/6/11 19:33	KC	P1E0019
2,4,6-Trichlorophenol	BRL	ug/L	10	2.3	1	*8270D	5/6/11 19:33	KC	P1E0019
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 19:33	KC	P1E0019
2,4-Dimethylphenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 19:33	KC	P1E0019
2,4-Dinitrophenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 19:33	KC	P1E0019
2,4-Dinitrotoluene	BRL	ug/L	10	0.95	1	*8270D	5/6/11 19:33	KC	P1E0019
2,6-Dinitrotoluene	BRL	ug/L	10	1.6	1	*8270D	5/6/11 19:33	KC	P1E0019
2-Chloronaphthalene	BRL	ug/L	10	2.3	1	*8270D	5/6/11 19:33	KC	P1E0019
2-Chlorophenol	BRL	ug/L	10	2.1	1	*8270D	5/6/11 19:33	KC	P1E0019
2-Methylnaphthalene	BRL	ug/L	10	2.6	1	*8270D	5/6/11 19:33	KC	P1E0019
2-Methylphenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 19:33	KC	P1E0019
2-Nitroaniline	BRL	ug/L	10	1.9	1	*8270D	5/6/11 19:33	KC	P1E0019
2-Nitrophenol	BRL	ug/L	10	2.5	1	*8270D	5/6/11 19:33	KC	P1E0019
3,3'-Dichlorobenzidine	BRL	ug/L	10	0.96	1	*8270D	5/6/11 19:33	KC	P1E0019
3/4-Methylphenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 19:33	KC	P1E0019
3-Nitroaniline	BRL	ug/L	10	1.3	1	*8270D	5/6/11 19:33	KC	P1E0019
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.7	1	*8270D	5/6/11 19:33	KC	P1E0019
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	*8270D	5/6/11 19:33	KC	P1E0019
4-Chloro-3-methylphenol	BRL	ug/L	10	2.3	1	*8270D	5/6/11 19:33	KC	P1E0019
4-Chloroaniline	BRL	ug/L	10	2.5	1	*8270D	5/6/11 19:33	KC	P1E0019
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.8	1	*8270D	5/6/11 19:33	KC	P1E0019
4-Nitroaniline	BRL	ug/L	10	0.91	1	*8270D	5/6/11 19:33	KC	P1E0019
4-Nitrophenol	BRL	ug/L	10	2.6	1	*8270D	5/6/11 19:33	KC	P1E0019
Acenaphthene	BRL	ug/L	10	2.1	1	*8270D	5/6/11 19:33	KC	P1E0019
Acenaphthylene	BRL	ug/L	10	2.2	1	*8270D	5/6/11 19:33	KC	P1E0019
Aniline	BRL	ug/L	10	2.2	1	*8270D	5/6/11 19:33	KC	P1E0019
Anthracene	BRL	ug/L	10	1.2	1	*8270D	5/6/11 19:33	KC	P1E0019
Azobenzene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 19:33	KC	P1E0019
Benzo(a)anthracene	BRL	ug/L	10	0.95	1	*8270D	5/6/11 19:33	KC	P1E0019
Benzo(a)pyrene	BRL	ug/L	10	1.1	1	*8270D	5/6/11 19:33	KC	P1E0019
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	*8270D	5/6/11 19:33	KC	P1E0019
Benzo(g,h,i)perylene	BRL	ug/L	10	2.1	1	*8270D	5/6/11 19:33	KC	P1E0019
Benzo(k)fluoranthene	BRL	ug/L	10	1.1	1	*8270D	5/6/11 19:33	KC	P1E0019
Benzoic Acid	BRL	ug/L	100	50	1	*8270D	5/6/11 19:33	KC	P1E0019
Benzyl alcohol	BRL	ug/L	10	2.1	1	*8270D	5/6/11 19:33	KC	P1E0019
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	*8270D	5/6/11 19:33	KC	P1E0019
Bis(2-Chloroethyl)ether	BRL	ug/L	10	1.9	1	*8270D	5/6/11 19:33	KC	P1E0019
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.3	1	*8270D	5/6/11 19:33	KC	P1E0019

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: W-1
Prism Sample ID: 1040602-01
Prism Work Order: 1040602
Time Collected: 04/26/11 11:40
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.8	1	*8270D	5/6/11 19:33	KC	P1E0019
Butyl benzyl phthalate	BRL	ug/L	10	1.5	1	*8270D	5/6/11 19:33	KC	P1E0019
Chrysene	BRL	ug/L	10	1.2	1	*8270D	5/6/11 19:33	KC	P1E0019
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 19:33	KC	P1E0019
Dibenzofuran	BRL	ug/L	10	2.2	1	*8270D	5/6/11 19:33	KC	P1E0019
Diethyl phthalate	BRL	ug/L	10	1.4	1	*8270D	5/6/11 19:33	KC	P1E0019
Dimethyl phthalate	BRL	ug/L	10	1.6	1	*8270D	5/6/11 19:33	KC	P1E0019
Di-n-butyl phthalate	BRL	ug/L	10	1.8	1	*8270D	5/6/11 19:33	KC	P1E0019
Di-n-octyl phthalate	BRL	ug/L	10	1.9	1	*8270D	5/6/11 19:33	KC	P1E0019
Fluoranthene	BRL	ug/L	10	0.94	1	*8270D	5/6/11 19:33	KC	P1E0019
Fluorene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 19:33	KC	P1E0019
Hexachlorobenzene	BRL	ug/L	10	1.4	1	*8270D	5/6/11 19:33	KC	P1E0019
Hexachlorobutadiene	BRL	ug/L	10	2.3	1	*8270D	5/6/11 19:33	KC	P1E0019
Hexachlorocyclopentadiene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 19:33	KC	P1E0019
Hexachloroethane	BRL	ug/L	10	1.9	1	*8270D	5/6/11 19:33	KC	P1E0019
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	1.6	1	*8270D	5/6/11 19:33	KC	P1E0019
Isophorone	BRL	ug/L	10	2.4	1	*8270D	5/6/11 19:33	KC	P1E0019
Naphthalene	BRL	ug/L	10	2.3	1	*8270D	5/6/11 19:33	KC	P1E0019
Nitrobenzene	BRL	ug/L	10	2.0	1	*8270D	5/6/11 19:33	KC	P1E0019
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.3	1	*8270D	5/6/11 19:33	KC	P1E0019
N-Nitrosodiphenylamine	BRL	ug/L	10	1.6	1	*8270D	5/6/11 19:33	KC	P1E0019
Pentachlorophenol	BRL	ug/L	10	1.6	1	*8270D	5/6/11 19:33	KC	P1E0019
Phenanthrene	BRL	ug/L	10	1.2	1	*8270D	5/6/11 19:33	KC	P1E0019
Phenol	BRL	ug/L	10	2.2	1	*8270D	5/6/11 19:33	KC	P1E0019
Pyrene	BRL	ug/L	10	1.4	1	*8270D	5/6/11 19:33	KC	P1E0019
TIC: unknown (1)	**28**	**ug/L**			**1**	***8270D**	**5/6/11 19:33**	**KC**	**P1E0019**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*74 %*	*26-139*
2-Fluorobiphenyl	*67 %*	*41-112*
2-Fluorophenol	*30 %*	*10-48*
Nitrobenzene-d5	*50 %*	*34-102*
Phenol-d5	*25 %*	*10-34*
Terphenyl-d14	*84 %*	*31-165*

Total Metals

Mercury	BRL	mg/L	0.00020	0.000014	1	*7470A	5/5/11 12:35	LTB	P1E0061
Antimony	BRL	mg/L	0.010	0.0012	1	*6010C	5/3/11 17:49	DWR	P1D0563
Arsenic	BRL	mg/L	0.010	0.0019	1	*6010C	5/3/11 17:49	DWR	P1D0563
Beryllium	BRL	mg/L	0.0020	0.00026	1	*6010C	5/2/11 20:10	DWR	P1D0563
Cadmium	**0.0063**	**mg/L**	**0.0010**	**0.00015**	**1**	***6010C**	**5/3/11 17:49**	**DWR**	**P1D0563**
Chromium	**0.036**	**mg/L**	**0.0050**	**0.00051**	**1**	***6010C**	**5/3/11 17:49**	**DWR**	**P1D0563**
Copper	**0.014**	**mg/L**	**0.010**	**0.0011**	**1**	***6010C**	**5/3/11 17:49**	**DWR**	**P1D0563**
Lead	**0.022**	**mg/L**	**0.0050**	**0.00057**	**1**	***6010C**	**5/3/11 17:49**	**DWR**	**P1D0563**
Manganese	**0.13**	**mg/L**	**0.010**	**0.00066**	**1**	***6010C**	**5/3/11 17:49**	**DWR**	**P1D0563**

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: W-1
Prism Sample ID: 1040602-01
Prism Work Order: 1040602
Time Collected: 04/26/11 11:40
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Nickel	**0.026**	**mg/L**	**0.010**	**0.0022**	**1**	***6010C**	**5/3/11 17:49**	**DWR**	**P1D0563**
Selenium	BRL	mg/L	0.020	0.0028	1	*6010C	5/2/11 20:10	DWR	P1D0563
Silver	BRL	mg/L	0.0050	0.00036	1	*6010C	5/3/11 17:49	DWR	P1D0563
Thallium	BRL	mg/L	0.010	0.0016	1	*6010C	5/3/11 17:49	DWR	P1D0563
Zinc	**0.34**	**mg/L**	**0.030**	**0.0026**	**1**	***6010C**	**5/3/11 17:49**	**DWR**	**P1D0563**
Volatile Organic Compounds by GC/MS SIM									
1,4-Dioxane	BRL	ug/L	3.0	0.80	1	*8260B SIM	5/2/11 20:42	MGB	P1D0585

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: W-2R
Prism Sample ID: 1040602-02
Prism Work Order: 1040602
Time Collected: 04/26/11 14:55
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.2	1	*8270D	5/6/11 20:11	KC	P1E0019
1,2-Dichlorobenzene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:11	KC	P1E0019
1,3-Dichlorobenzene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:11	KC	P1E0019
1,4-Dichlorobenzene	BRL	ug/L	10	2.0	1	*8270D	5/6/11 20:11	KC	P1E0019
2,4,5-Trichlorophenol	BRL	ug/L	10	2.5	1	*8270D	5/6/11 20:11	KC	P1E0019
2,4,6-Trichlorophenol	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:11	KC	P1E0019
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 20:11	KC	P1E0019
2,4-Dimethylphenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 20:11	KC	P1E0019
2,4-Dinitrophenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 20:11	KC	P1E0019
2,4-Dinitrotoluene	BRL	ug/L	10	0.95	1	*8270D	5/6/11 20:11	KC	P1E0019
2,6-Dinitrotoluene	BRL	ug/L	10	1.6	1	*8270D	5/6/11 20:11	KC	P1E0019
2-Chloronaphthalene	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:11	KC	P1E0019
2-Chlorophenol	BRL	ug/L	10	2.1	1	*8270D	5/6/11 20:11	KC	P1E0019
2-Methylnaphthalene	BRL	ug/L	10	2.6	1	*8270D	5/6/11 20:11	KC	P1E0019
2-Methylphenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 20:11	KC	P1E0019
2-Nitroaniline	BRL	ug/L	10	1.9	1	*8270D	5/6/11 20:11	KC	P1E0019
2-Nitrophenol	BRL	ug/L	10	2.5	1	*8270D	5/6/11 20:11	KC	P1E0019
3,3'-Dichlorobenzidine	BRL	ug/L	10	0.96	1	*8270D	5/6/11 20:11	KC	P1E0019
3/4-Methylphenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 20:11	KC	P1E0019
3-Nitroaniline	BRL	ug/L	10	1.3	1	*8270D	5/6/11 20:11	KC	P1E0019
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.7	1	*8270D	5/6/11 20:11	KC	P1E0019
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:11	KC	P1E0019
4-Chloro-3-methylphenol	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:11	KC	P1E0019
4-Chloroaniline	BRL	ug/L	10	2.5	1	*8270D	5/6/11 20:11	KC	P1E0019
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:11	KC	P1E0019
4-Nitroaniline	BRL	ug/L	10	0.91	1	*8270D	5/6/11 20:11	KC	P1E0019
4-Nitrophenol	BRL	ug/L	10	2.6	1	*8270D	5/6/11 20:11	KC	P1E0019
Acenaphthene	BRL	ug/L	10	2.1	1	*8270D	5/6/11 20:11	KC	P1E0019
Acenaphthylene	BRL	ug/L	10	2.2	1	*8270D	5/6/11 20:11	KC	P1E0019
Aniline	BRL	ug/L	10	2.2	1	*8270D	5/6/11 20:11	KC	P1E0019
Anthracene	BRL	ug/L	10	1.2	1	*8270D	5/6/11 20:11	KC	P1E0019
Azobenzene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:11	KC	P1E0019
Benzo(a)anthracene	BRL	ug/L	10	0.95	1	*8270D	5/6/11 20:11	KC	P1E0019
Benzo(a)pyrene	BRL	ug/L	10	1.1	1	*8270D	5/6/11 20:11	KC	P1E0019
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	*8270D	5/6/11 20:11	KC	P1E0019
Benzo(g,h,i)perylene	BRL	ug/L	10	2.1	1	*8270D	5/6/11 20:11	KC	P1E0019
Benzo(k)fluoranthene	BRL	ug/L	10	1.1	1	*8270D	5/6/11 20:11	KC	P1E0019
Benzoic Acid	BRL	ug/L	100	50	1	*8270D	5/6/11 20:11	KC	P1E0019
Benzyl alcohol	BRL	ug/L	10	2.1	1	*8270D	5/6/11 20:11	KC	P1E0019
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	*8270D	5/6/11 20:11	KC	P1E0019
Bis(2-Chloroethyl)ether	BRL	ug/L	10	1.9	1	*8270D	5/6/11 20:11	KC	P1E0019
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:11	KC	P1E0019

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: W-2R
Prism Sample ID: 1040602-02
Prism Work Order: 1040602
Time Collected: 04/26/11 14:55
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:11	KC	P1E0019
Butyl benzyl phthalate	BRL	ug/L	10	1.5	1	*8270D	5/6/11 20:11	KC	P1E0019
Chrysene	BRL	ug/L	10	1.2	1	*8270D	5/6/11 20:11	KC	P1E0019
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:11	KC	P1E0019
Dibenzofuran	BRL	ug/L	10	2.2	1	*8270D	5/6/11 20:11	KC	P1E0019
Diethyl phthalate	BRL	ug/L	10	1.4	1	*8270D	5/6/11 20:11	KC	P1E0019
Dimethyl phthalate	BRL	ug/L	10	1.6	1	*8270D	5/6/11 20:11	KC	P1E0019
Di-n-butyl phthalate	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:11	KC	P1E0019
Di-n-octyl phthalate	BRL	ug/L	10	1.9	1	*8270D	5/6/11 20:11	KC	P1E0019
Fluoranthene	BRL	ug/L	10	0.94	1	*8270D	5/6/11 20:11	KC	P1E0019
Fluorene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:11	KC	P1E0019
Hexachlorobenzene	BRL	ug/L	10	1.4	1	*8270D	5/6/11 20:11	KC	P1E0019
Hexachlorobutadiene	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:11	KC	P1E0019
Hexachlorocyclopentadiene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:11	KC	P1E0019
Hexachloroethane	BRL	ug/L	10	1.9	1	*8270D	5/6/11 20:11	KC	P1E0019
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	1.6	1	*8270D	5/6/11 20:11	KC	P1E0019
Isophorone	BRL	ug/L	10	2.4	1	*8270D	5/6/11 20:11	KC	P1E0019
Naphthalene	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:11	KC	P1E0019
Nitrobenzene	BRL	ug/L	10	2.0	1	*8270D	5/6/11 20:11	KC	P1E0019
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:11	KC	P1E0019
N-Nitrosodiphenylamine	BRL	ug/L	10	1.6	1	*8270D	5/6/11 20:11	KC	P1E0019
Pentachlorophenol	BRL	ug/L	10	1.6	1	*8270D	5/6/11 20:11	KC	P1E0019
Phenanthrene	BRL	ug/L	10	1.2	1	*8270D	5/6/11 20:11	KC	P1E0019
Phenol	BRL	ug/L	10	2.2	1	*8270D	5/6/11 20:11	KC	P1E0019
Pyrene	BRL	ug/L	10	1.4	1	*8270D	5/6/11 20:11	KC	P1E0019
TIC: unknown (1)	**58**	**ug/L**			**1**	***8270D**	**5/6/11 20:11**	**KC**	**P1E0019**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*78 %*	*26-139*
2-Fluorobiphenyl	*77 %*	*41-112*
2-Fluorophenol	*40 %*	*10-48*
Nitrobenzene-d5	*65 %*	*34-102*
Phenol-d5	*29 %*	*10-34*
Terphenyl-d14	*108 %*	*31-165*

Total Metals

Mercury	BRL	mg/L	0.00020	0.000014	1	*7470A	5/5/11 12:39	LTB	P1E0061
Antimony	BRL	mg/L	0.010	0.0012	1	*6010C	5/3/11 17:24	DWR	P1D0563
Arsenic	BRL	mg/L	0.010	0.0019	1	*6010C	5/3/11 17:24	DWR	P1D0563
Beryllium	BRL	mg/L	0.0020	0.00026	1	*6010C	5/2/11 19:44	DWR	P1D0563
Cadmium	BRL	mg/L	0.0010	0.00015	1	*6010C	5/3/11 17:24	DWR	P1D0563
Chromium	BRL	mg/L	0.0050	0.00051	1	*6010C	5/3/11 17:24	DWR	P1D0563
Copper	BRL	mg/L	0.010	0.0011	1	*6010C	5/3/11 17:24	DWR	P1D0563
Lead	BRL	mg/L	0.0050	0.00057	1	*6010C	5/3/11 17:24	DWR	P1D0563
Manganese	**0.21**	**mg/L**	**0.010**	**0.00066**	**1**	***6010C**	**5/3/11 17:24**	**DWR**	**P1D0563**

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: W-2R
Prism Sample ID: 1040602-02
Prism Work Order: 1040602
Time Collected: 04/26/11 14:55
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Nickel	BRL	mg/L	0.010	0.0022	1	*6010C	5/3/11 17:24	DWR	P1D0563
Selenium	**0.026**	**mg/L**	**0.020**	**0.0028**	**1**	***6010C**	**5/2/11 19:44**	**DWR**	**P1D0563**
Silver	BRL	mg/L	0.0050	0.00036	1	*6010C	5/3/11 17:24	DWR	P1D0563
Thallium	BRL	mg/L	0.010	0.0016	1	*6010C	5/3/11 17:24	DWR	P1D0563
Zinc	BRL	mg/L	0.030	0.0026	1	*6010C	5/3/11 17:24	DWR	P1D0563
Volatile Organic Compounds by GC/MS SIM									
1,4-Dioxane	BRL	ug/L	3.0	0.80	1	*8260B SIM	5/2/11 21:14	MGB	P1D0585

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: MW-5
Prism Sample ID: 1040602-03
Prism Work Order: 1040602
Time Collected: 04/26/11 16:20
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	BRL	mg/L	0.00020	0.000014	1	*7470A	5/5/11 12:09	LTB	P1E0061
Antimony	BRL	mg/L	0.010	0.0012	1	*6010C	5/3/11 17:57	DWR	P1D0563
Arsenic	BRL	mg/L	0.010	0.0019	1	*6010C	5/3/11 17:57	DWR	P1D0563
Beryllium	BRL	mg/L	0.0020	0.00026	1	*6010C	5/2/11 20:18	DWR	P1D0563
Cadmium	**0.0027**	**mg/L**	**0.0010**	**0.00015**	**1**	***6010C**	**5/3/11 17:57**	**DWR**	**P1D0563**
Chromium	BRL	mg/L	0.0050	0.00051	1	*6010C	5/3/11 17:57	DWR	P1D0563
Copper	BRL	mg/L	0.010	0.0011	1	*6010C	5/3/11 17:57	DWR	P1D0563
Lead	BRL	mg/L	0.0050	0.00057	1	*6010C	5/3/11 17:57	DWR	P1D0563
Manganese	**0.011**	**mg/L**	**0.010**	**0.00066**	**1**	***6010C**	**5/3/11 17:57**	**DWR**	**P1D0563**
Nickel	BRL	mg/L	0.010	0.0022	1	*6010C	5/3/11 17:57	DWR	P1D0563
Selenium	BRL	mg/L	0.020	0.0028	1	*6010C	5/2/11 20:18	DWR	P1D0563
Silver	BRL	mg/L	0.0050	0.00036	1	*6010C	5/3/11 17:57	DWR	P1D0563
Thallium	BRL	mg/L	0.010	0.0016	1	*6010C	5/3/11 17:57	DWR	P1D0563
Zinc	BRL	mg/L	0.030	0.0026	1	*6010C	5/3/11 17:57	DWR	P1D0563

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: MW-7
Prism Sample ID: 1040602-04
Prism Work Order: 1040602
Time Collected: 04/26/11 16:40
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	BRL	mg/L	0.00020	0.000014	1	*7470A	5/5/11 12:43	LTB	P1E0061
Antimony	BRL	mg/L	0.010	0.0012	1	*6010C	5/3/11 18:04	DWR	P1D0563
Arsenic	BRL	mg/L	0.010	0.0019	1	*6010C	5/3/11 18:04	DWR	P1D0563
Beryllium	BRL	mg/L	0.0020	0.00026	1	*6010C	5/2/11 20:25	DWR	P1D0563
Cadmium	BRL	mg/L	0.0010	0.00015	1	*6010C	5/3/11 18:04	DWR	P1D0563
Chromium	**0.057**	**mg/L**	**0.0050**	**0.00051**	**1**	***6010C**	**5/3/11 18:04**	**DWR**	**P1D0563**
Copper	BRL	mg/L	0.010	0.0011	1	*6010C	5/3/11 18:04	DWR	P1D0563
Lead	**0.023**	**mg/L**	**0.0050**	**0.00057**	**1**	***6010C**	**5/3/11 18:04**	**DWR**	**P1D0563**
Manganese	**0.039**	**mg/L**	**0.010**	**0.00066**	**1**	***6010C**	**5/3/11 18:04**	**DWR**	**P1D0563**
Nickel	**0.011**	**mg/L**	**0.010**	**0.0022**	**1**	***6010C**	**5/3/11 18:04**	**DWR**	**P1D0563**
Selenium	BRL	mg/L	0.020	0.0028	1	*6010C	5/2/11 20:25	DWR	P1D0563
Silver	BRL	mg/L	0.0050	0.00036	1	*6010C	5/3/11 18:04	DWR	P1D0563
Thallium	BRL	mg/L	0.010	0.0016	1	*6010C	5/3/11 18:04	DWR	P1D0563
Zinc	**0.037**	**mg/L**	**0.030**	**0.0026**	**1**	***6010C**	**5/3/11 18:04**	**DWR**	**P1D0563**

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: DUP-042611
Prism Sample ID: 1040602-05
Prism Work Order: 1040602
Time Collected: 04/26/11 00:00
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.2	1	*8270D	5/6/11 20:48	KC	P1E0019
1,2-Dichlorobenzene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:48	KC	P1E0019
1,3-Dichlorobenzene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:48	KC	P1E0019
1,4-Dichlorobenzene	BRL	ug/L	10	2.0	1	*8270D	5/6/11 20:48	KC	P1E0019
2,4,5-Trichlorophenol	BRL	ug/L	10	2.5	1	*8270D	5/6/11 20:48	KC	P1E0019
2,4,6-Trichlorophenol	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:48	KC	P1E0019
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 20:48	KC	P1E0019
2,4-Dimethylphenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 20:48	KC	P1E0019
2,4-Dinitrophenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 20:48	KC	P1E0019
2,4-Dinitrotoluene	BRL	ug/L	10	0.95	1	*8270D	5/6/11 20:48	KC	P1E0019
2,6-Dinitrotoluene	BRL	ug/L	10	1.6	1	*8270D	5/6/11 20:48	KC	P1E0019
2-Chloronaphthalene	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:48	KC	P1E0019
2-Chlorophenol	BRL	ug/L	10	2.1	1	*8270D	5/6/11 20:48	KC	P1E0019
2-Methylnaphthalene	BRL	ug/L	10	2.6	1	*8270D	5/6/11 20:48	KC	P1E0019
2-Methylphenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 20:48	KC	P1E0019
2-Nitroaniline	BRL	ug/L	10	1.9	1	*8270D	5/6/11 20:48	KC	P1E0019
2-Nitrophenol	BRL	ug/L	10	2.5	1	*8270D	5/6/11 20:48	KC	P1E0019
3,3'-Dichlorobenzidine	BRL	ug/L	10	0.96	1	*8270D	5/6/11 20:48	KC	P1E0019
3/4-Methylphenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 20:48	KC	P1E0019
3-Nitroaniline	BRL	ug/L	10	1.3	1	*8270D	5/6/11 20:48	KC	P1E0019
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.7	1	*8270D	5/6/11 20:48	KC	P1E0019
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:48	KC	P1E0019
4-Chloro-3-methylphenol	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:48	KC	P1E0019
4-Chloroaniline	BRL	ug/L	10	2.5	1	*8270D	5/6/11 20:48	KC	P1E0019
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:48	KC	P1E0019
4-Nitroaniline	BRL	ug/L	10	0.91	1	*8270D	5/6/11 20:48	KC	P1E0019
4-Nitrophenol	BRL	ug/L	10	2.6	1	*8270D	5/6/11 20:48	KC	P1E0019
Acenaphthene	BRL	ug/L	10	2.1	1	*8270D	5/6/11 20:48	KC	P1E0019
Acenaphthylene	BRL	ug/L	10	2.2	1	*8270D	5/6/11 20:48	KC	P1E0019
Aniline	BRL	ug/L	10	2.2	1	*8270D	5/6/11 20:48	KC	P1E0019
Anthracene	BRL	ug/L	10	1.2	1	*8270D	5/6/11 20:48	KC	P1E0019
Azobenzene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:48	KC	P1E0019
Benzo(a)anthracene	BRL	ug/L	10	0.95	1	*8270D	5/6/11 20:48	KC	P1E0019
Benzo(a)pyrene	BRL	ug/L	10	1.1	1	*8270D	5/6/11 20:48	KC	P1E0019
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	*8270D	5/6/11 20:48	KC	P1E0019
Benzo(g,h,i)perylene	BRL	ug/L	10	2.1	1	*8270D	5/6/11 20:48	KC	P1E0019
Benzo(k)fluoranthene	BRL	ug/L	10	1.1	1	*8270D	5/6/11 20:48	KC	P1E0019
Benzoic Acid	BRL	ug/L	100	50	1	*8270D	5/6/11 20:48	KC	P1E0019
Benzyl alcohol	BRL	ug/L	10	2.1	1	*8270D	5/6/11 20:48	KC	P1E0019
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	*8270D	5/6/11 20:48	KC	P1E0019
Bis(2-Chloroethyl)ether	BRL	ug/L	10	1.9	1	*8270D	5/6/11 20:48	KC	P1E0019
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:48	KC	P1E0019

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: DUP-042611
Prism Sample ID: 1040602-05
Prism Work Order: 1040602
Time Collected: 04/26/11 00:00
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:48	KC	P1E0019
Butyl benzyl phthalate	BRL	ug/L	10	1.5	1	*8270D	5/6/11 20:48	KC	P1E0019
Chrysene	BRL	ug/L	10	1.2	1	*8270D	5/6/11 20:48	KC	P1E0019
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:48	KC	P1E0019
Dibenzofuran	BRL	ug/L	10	2.2	1	*8270D	5/6/11 20:48	KC	P1E0019
Diethyl phthalate	BRL	ug/L	10	1.4	1	*8270D	5/6/11 20:48	KC	P1E0019
Dimethyl phthalate	BRL	ug/L	10	1.6	1	*8270D	5/6/11 20:48	KC	P1E0019
Di-n-butyl phthalate	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:48	KC	P1E0019
Di-n-octyl phthalate	BRL	ug/L	10	1.9	1	*8270D	5/6/11 20:48	KC	P1E0019
Fluoranthene	BRL	ug/L	10	0.94	1	*8270D	5/6/11 20:48	KC	P1E0019
Fluorene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:48	KC	P1E0019
Hexachlorobenzene	BRL	ug/L	10	1.4	1	*8270D	5/6/11 20:48	KC	P1E0019
Hexachlorobutadiene	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:48	KC	P1E0019
Hexachlorocyclopentadiene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 20:48	KC	P1E0019
Hexachloroethane	BRL	ug/L	10	1.9	1	*8270D	5/6/11 20:48	KC	P1E0019
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	1.6	1	*8270D	5/6/11 20:48	KC	P1E0019
Isophorone	BRL	ug/L	10	2.4	1	*8270D	5/6/11 20:48	KC	P1E0019
Naphthalene	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:48	KC	P1E0019
Nitrobenzene	BRL	ug/L	10	2.0	1	*8270D	5/6/11 20:48	KC	P1E0019
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.3	1	*8270D	5/6/11 20:48	KC	P1E0019
N-Nitrosodiphenylamine	BRL	ug/L	10	1.6	1	*8270D	5/6/11 20:48	KC	P1E0019
Pentachlorophenol	BRL	ug/L	10	1.6	1	*8270D	5/6/11 20:48	KC	P1E0019
Phenanthrene	BRL	ug/L	10	1.2	1	*8270D	5/6/11 20:48	KC	P1E0019
Phenol	BRL	ug/L	10	2.2	1	*8270D	5/6/11 20:48	KC	P1E0019
Pyrene	BRL	ug/L	10	1.4	1	*8270D	5/6/11 20:48	KC	P1E0019
TIC: Squalene	**16**	**ug/L**			**1**	***8270D**	**5/6/11 20:48**	**KC**	**P1E0019**
TIC: unknown (1)	**48**	**ug/L**			**1**	***8270D**	**5/6/11 20:48**	**KC**	**P1E0019**

Surrogate	Recovery	Control Limits	
2,4,6-Tribromophenol	*114 %*	*26-139*	
2-Fluorobiphenyl	*95 %*	*41-112*	
2-Fluorophenol	*48 %*	*10-48*	
Nitrobenzene-d5	*77 %*	*34-102*	
Phenol-d5	*39 %*	*10-34*	*SR*
Terphenyl-d14	*132 %*	*31-165*	

Total Metals

Mercury	BRL	mg/L	0.00020	0.000014	1	*7470A	5/5/11 12:47	LTB	P1E0061
Antimony	BRL	mg/L	0.010	0.0012	1	*6010C	5/3/11 18:12	DWR	P1D0563
Arsenic	BRL	mg/L	0.010	0.0019	1	*6010C	5/3/11 18:12	DWR	P1D0563
Beryllium	BRL	mg/L	0.0020	0.00026	1	*6010C	5/2/11 20:33	DWR	P1D0563
Cadmium	BRL	mg/L	0.0010	0.00015	1	*6010C	5/3/11 18:12	DWR	P1D0563
Chromium	BRL	mg/L	0.0050	0.00051	1	*6010C	5/3/11 18:12	DWR	P1D0563
Copper	BRL	mg/L	0.010	0.0011	1	*6010C	5/3/11 18:12	DWR	P1D0563
Lead	BRL	mg/L	0.0050	0.00057	1	*6010C	5/3/11 18:12	DWR	P1D0563

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: DUP-042611
Prism Sample ID: 1040602-05
Prism Work Order: 1040602
Time Collected: 04/26/11 00:00
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Manganese	**0.21**	**mg/L**	**0.010**	**0.00066**	**1**	***6010C**	**5/3/11 18:12**	**DWR**	**P1D0563**
Nickel	BRL	mg/L	0.010	0.0022	1	*6010C	5/3/11 18:12	DWR	P1D0563
Selenium	**0.025**	**mg/L**	**0.020**	**0.0028**	**1**	***6010C**	**5/2/11 20:33**	**DWR**	**P1D0563**
Silver	BRL	mg/L	0.0050	0.00036	1	*6010C	5/3/11 18:12	DWR	P1D0563
Thallium	BRL	mg/L	0.010	0.0016	1	*6010C	5/3/11 18:12	DWR	P1D0563
Zinc	**0.035**	**mg/L**	**0.030**	**0.0026**	**1**	***6010C**	**5/3/11 18:12**	**DWR**	**P1D0563**
Volatile Organic Compounds by GC/MS SIM									
1,4-Dioxane	BRL	ug/L	3.0	0.80	1	*8260B SIM	5/2/11 21:49	MGB	P1D0585

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

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: EB-042611
Prism Sample ID: 1040602-06
Prism Work Order: 1040602
Time Collected: 04/26/11 10:45
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.2	1	*8270D	5/6/11 21:25	KC	P1E0019
1,2-Dichlorobenzene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 21:25	KC	P1E0019
1,3-Dichlorobenzene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 21:25	KC	P1E0019
1,4-Dichlorobenzene	BRL	ug/L	10	2.0	1	*8270D	5/6/11 21:25	KC	P1E0019
2,4,5-Trichlorophenol	BRL	ug/L	10	2.5	1	*8270D	5/6/11 21:25	KC	P1E0019
2,4,6-Trichlorophenol	BRL	ug/L	10	2.3	1	*8270D	5/6/11 21:25	KC	P1E0019
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 21:25	KC	P1E0019
2,4-Dimethylphenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 21:25	KC	P1E0019
2,4-Dinitrophenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 21:25	KC	P1E0019
2,4-Dinitrotoluene	BRL	ug/L	10	0.95	1	*8270D	5/6/11 21:25	KC	P1E0019
2,6-Dinitrotoluene	BRL	ug/L	10	1.6	1	*8270D	5/6/11 21:25	KC	P1E0019
2-Chloronaphthalene	BRL	ug/L	10	2.3	1	*8270D	5/6/11 21:25	KC	P1E0019
2-Chlorophenol	BRL	ug/L	10	2.1	1	*8270D	5/6/11 21:25	KC	P1E0019
2-Methylnaphthalene	BRL	ug/L	10	2.6	1	*8270D	5/6/11 21:25	KC	P1E0019
2-Methylphenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 21:25	KC	P1E0019
2-Nitroaniline	BRL	ug/L	10	1.9	1	*8270D	5/6/11 21:25	KC	P1E0019
2-Nitrophenol	BRL	ug/L	10	2.5	1	*8270D	5/6/11 21:25	KC	P1E0019
3,3'-Dichlorobenzidine	BRL	ug/L	10	0.96	1	*8270D	5/6/11 21:25	KC	P1E0019
3/4-Methylphenol	BRL	ug/L	10	2.4	1	*8270D	5/6/11 21:25	KC	P1E0019
3-Nitroaniline	BRL	ug/L	10	1.3	1	*8270D	5/6/11 21:25	KC	P1E0019
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.7	1	*8270D	5/6/11 21:25	KC	P1E0019
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	*8270D	5/6/11 21:25	KC	P1E0019
4-Chloro-3-methylphenol	BRL	ug/L	10	2.3	1	*8270D	5/6/11 21:25	KC	P1E0019
4-Chloroaniline	BRL	ug/L	10	2.5	1	*8270D	5/6/11 21:25	KC	P1E0019
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.8	1	*8270D	5/6/11 21:25	KC	P1E0019
4-Nitroaniline	BRL	ug/L	10	0.91	1	*8270D	5/6/11 21:25	KC	P1E0019
4-Nitrophenol	BRL	ug/L	10	2.6	1	*8270D	5/6/11 21:25	KC	P1E0019
Acenaphthene	BRL	ug/L	10	2.1	1	*8270D	5/6/11 21:25	KC	P1E0019
Acenaphthylene	BRL	ug/L	10	2.2	1	*8270D	5/6/11 21:25	KC	P1E0019
Aniline	BRL	ug/L	10	2.2	1	*8270D	5/6/11 21:25	KC	P1E0019
Anthracene	BRL	ug/L	10	1.2	1	*8270D	5/6/11 21:25	KC	P1E0019
Azobenzene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 21:25	KC	P1E0019
Benzo(a)anthracene	BRL	ug/L	10	0.95	1	*8270D	5/6/11 21:25	KC	P1E0019
Benzo(a)pyrene	BRL	ug/L	10	1.1	1	*8270D	5/6/11 21:25	KC	P1E0019
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	*8270D	5/6/11 21:25	KC	P1E0019
Benzo(g,h,i)perylene	BRL	ug/L	10	2.1	1	*8270D	5/6/11 21:25	KC	P1E0019
Benzo(k)fluoranthene	BRL	ug/L	10	1.1	1	*8270D	5/6/11 21:25	KC	P1E0019
Benzoic Acid	BRL	ug/L	100	50	1	*8270D	5/6/11 21:25	KC	P1E0019
Benzyl alcohol	BRL	ug/L	10	2.1	1	*8270D	5/6/11 21:25	KC	P1E0019
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	*8270D	5/6/11 21:25	KC	P1E0019
Bis(2-Chloroethyl)ether	BRL	ug/L	10	1.9	1	*8270D	5/6/11 21:25	KC	P1E0019
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.3	1	*8270D	5/6/11 21:25	KC	P1E0019

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: EB-042611
Prism Sample ID: 1040602-06
Prism Work Order: 1040602
Time Collected: 04/26/11 10:45
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.8	1	*8270D	5/6/11 21:25	KC	P1E0019
Butyl benzyl phthalate	BRL	ug/L	10	1.5	1	*8270D	5/6/11 21:25	KC	P1E0019
Chrysene	BRL	ug/L	10	1.2	1	*8270D	5/6/11 21:25	KC	P1E0019
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 21:25	KC	P1E0019
Dibenzofuran	BRL	ug/L	10	2.2	1	*8270D	5/6/11 21:25	KC	P1E0019
Diethyl phthalate	BRL	ug/L	10	1.4	1	*8270D	5/6/11 21:25	KC	P1E0019
Dimethyl phthalate	BRL	ug/L	10	1.6	1	*8270D	5/6/11 21:25	KC	P1E0019
Di-n-butyl phthalate	BRL	ug/L	10	1.8	1	*8270D	5/6/11 21:25	KC	P1E0019
Di-n-octyl phthalate	BRL	ug/L	10	1.9	1	*8270D	5/6/11 21:25	KC	P1E0019
Fluoranthene	BRL	ug/L	10	0.94	1	*8270D	5/6/11 21:25	KC	P1E0019
Fluorene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 21:25	KC	P1E0019
Hexachlorobenzene	BRL	ug/L	10	1.4	1	*8270D	5/6/11 21:25	KC	P1E0019
Hexachlorobutadiene	BRL	ug/L	10	2.3	1	*8270D	5/6/11 21:25	KC	P1E0019
Hexachlorocyclopentadiene	BRL	ug/L	10	1.8	1	*8270D	5/6/11 21:25	KC	P1E0019
Hexachloroethane	BRL	ug/L	10	1.9	1	*8270D	5/6/11 21:25	KC	P1E0019
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	1.6	1	*8270D	5/6/11 21:25	KC	P1E0019
Isophorone	BRL	ug/L	10	2.4	1	*8270D	5/6/11 21:25	KC	P1E0019
Naphthalene	BRL	ug/L	10	2.3	1	*8270D	5/6/11 21:25	KC	P1E0019
Nitrobenzene	BRL	ug/L	10	2.0	1	*8270D	5/6/11 21:25	KC	P1E0019
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.3	1	*8270D	5/6/11 21:25	KC	P1E0019
N-Nitrosodiphenylamine	BRL	ug/L	10	1.6	1	*8270D	5/6/11 21:25	KC	P1E0019
Pentachlorophenol	BRL	ug/L	10	1.6	1	*8270D	5/6/11 21:25	KC	P1E0019
Phenanthrene	BRL	ug/L	10	1.2	1	*8270D	5/6/11 21:25	KC	P1E0019
Phenol	BRL	ug/L	10	2.2	1	*8270D	5/6/11 21:25	KC	P1E0019
Pyrene	BRL	ug/L	10	1.4	1	*8270D	5/6/11 21:25	KC	P1E0019
TIC: Tentatively Identified Compounds (TIC	Not Detected	ug/L			1	*8270D	5/6/11 21:25	KC	P1E0019

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*76 %*	*26-139*
2-Fluorobiphenyl	*74 %*	*41-112*
2-Fluorophenol	*45 %*	*10-48*
Nitrobenzene-d5	*75 %*	*34-102*
Phenol-d5	*28 %*	*10-34*
Terphenyl-d14	*114 %*	*31-165*

Total Metals

Mercury	BRL	mg/L	0.00020	0.000014	1	*7470A	5/5/11 12:51	LTB	P1E0061
Antimony	BRL	mg/L	0.010	0.0012	1	*6010C	5/3/11 18:20	DWR	P1D0563
Arsenic	BRL	mg/L	0.010	0.0019	1	*6010C	5/3/11 18:20	DWR	P1D0563
Beryllium	BRL	mg/L	0.0020	0.00026	1	*6010C	5/2/11 20:41	DWR	P1D0563
Cadmium	BRL	mg/L	0.0010	0.00015	1	*6010C	5/3/11 18:20	DWR	P1D0563
Chromium	BRL	mg/L	0.0050	0.00051	1	*6010C	5/3/11 18:20	DWR	P1D0563
Copper	BRL	mg/L	0.010	0.0011	1	*6010C	5/3/11 18:20	DWR	P1D0563
Lead	BRL	mg/L	0.0050	0.00057	1	*6010C	5/3/11 18:20	DWR	P1D0563

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Sample Matrix: Water

Client Sample ID: EB-042611
Prism Sample ID: 1040602-06
Prism Work Order: 1040602
Time Collected: 04/26/11 10:45
Time Submitted: 04/28/11 08:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Manganese	BRL	mg/L	0.010	0.00066	1	*6010C	5/3/11 18:20	DWR	P1D0563
Nickel	BRL	mg/L	0.010	0.0022	1	*6010C	5/3/11 18:20	DWR	P1D0563
Selenium	BRL	mg/L	0.020	0.0028	1	*6010C	5/2/11 20:41	DWR	P1D0563
Silver	BRL	mg/L	0.0050	0.00036	1	*6010C	5/3/11 18:20	DWR	P1D0563
Thallium	BRL	mg/L	0.010	0.0016	1	*6010C	5/3/11 18:20	DWR	P1D0563
Zinc	BRL	mg/L	0.030	0.0026	1	*6010C	5/3/11 18:20	DWR	P1D0563
Volatile Organic Compounds by GC/MS SIM									
1,4-Dioxane	BRL	ug/L	3.0	0.80	1	*8260B SIM	5/2/11 20:05	MGB	P1D0585

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Prism Work Order: 1040602
Time Submitted: 4/28/11 8:10:00AM

Volatile Organic Compounds by GC/MS SIM - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D0585 - 5030B										
Blank (P1D0585-BLK1)				Prepared: 04/29/11		Analyzed: 05/02/11				
1,4-Dioxane	BRL	3.0	ug/L							
LCS (P1D0585-BS1)				Prepared: 04/29/11		Analyzed: 05/02/11				
1,4-Dioxane	61.6	3.0	ug/L	50.0		123	70-130			
LCS Dup (P1D0585-BSD1)				Prepared: 04/29/11		Analyzed: 05/02/11				
1,4-Dioxane	58.6	3.0	ug/L	50.0		117	70-130	5	200	

Hart & Hickman (Charlotte)
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Charlotte, NC 28203

Project: Prestige Label

Prism Work Order: 1040602
Time Submitted: 4/28/11 8:10:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E0019 - 3510C MS										
Blank (P1E0019-BLK1)				Prepared: 05/02/11 Analyzed: 05/06/11						
1,2,4-Trichlorobenzene	BRL	10	ug/L							
1,2-Dichlorobenzene	BRL	10	ug/L							
1,3-Dichlorobenzene	BRL	10	ug/L							
1,4-Dichlorobenzene	BRL	10	ug/L							
2,4,5-Trichlorophenol	BRL	10	ug/L							
2,4,6-Trichlorophenol	BRL	10	ug/L							
2,4-Dichlorophenol	BRL	10	ug/L							
2,4-Dimethylphenol	BRL	10	ug/L							
2,4-Dinitrophenol	BRL	10	ug/L							
2,4-Dinitrotoluene	BRL	10	ug/L							
2,6-Dinitrotoluene	BRL	10	ug/L							
2-Chloronaphthalene	BRL	10	ug/L							
2-Chlorophenol	BRL	10	ug/L							
2-Methylnaphthalene	BRL	10	ug/L							
2-Methylphenol	BRL	10	ug/L							
2-Nitroaniline	BRL	10	ug/L							
2-Nitrophenol	BRL	10	ug/L							
3,3'-Dichlorobenzidine	BRL	10	ug/L							
3/4-Methylphenol	BRL	10	ug/L							
3-Nitroaniline	BRL	10	ug/L							
4,6-Dinitro-2-methylphenol	BRL	10	ug/L							
4-Bromophenyl phenyl ether	BRL	10	ug/L							
4-Chloro-3-methylphenol	BRL	10	ug/L							
4-Chloroaniline	BRL	10	ug/L							
4-Chlorophenyl phenyl ether	BRL	10	ug/L							
4-Nitroaniline	BRL	10	ug/L							
4-Nitrophenol	BRL	10	ug/L							
Acenaphthene	BRL	10	ug/L							
Acenaphthylene	BRL	10	ug/L							
Aniline	BRL	10	ug/L							
Anthracene	BRL	10	ug/L							
Azobenzene	BRL	10	ug/L							
Benzo(a)anthracene	BRL	10	ug/L							
Benzo(a)pyrene	BRL	10	ug/L							
Benzo(b)fluoranthene	BRL	10	ug/L							
Benzo(g,h,i)perylene	BRL	10	ug/L							
Benzo(k)fluoranthene	BRL	10	ug/L							
Benzoic Acid	BRL	100	ug/L							
Benzyl alcohol	BRL	10	ug/L							
bis(2-Chloroethoxy)methane	BRL	10	ug/L							
Bis(2-Chloroethyl)ether	BRL	10	ug/L							
Bis(2-chloroisopropyl)ether	BRL	10	ug/L							
Bis(2-Ethylhexyl)phthalate	BRL	10	ug/L							
Butyl benzyl phthalate	BRL	10	ug/L							
Chrysene	BRL	10	ug/L							
Dibenzo(a,h)anthracene	BRL	10	ug/L							

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Prism Work Order: 1040602
Time Submitted: 4/28/11 8:10:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E0019 - 3510C MS										
Blank (P1E0019-BLK1)				Prepared: 05/02/11 Analyzed: 05/06/11						
Dibenzofuran	BRL	10	ug/L							
Diethyl phthalate	BRL	10	ug/L							
Dimethyl phthalate	BRL	10	ug/L							
Di-n-butyl phthalate	BRL	10	ug/L							
Di-n-octyl phthalate	BRL	10	ug/L							
Fluoranthene	BRL	10	ug/L							
Fluorene	BRL	10	ug/L							
Hexachlorobenzene	BRL	10	ug/L							
Hexachlorobutadiene	BRL	10	ug/L							
Hexachlorocyclopentadiene	BRL	10	ug/L							
Hexachloroethane	BRL	10	ug/L							
Indeno(1,2,3-cd)pyrene	BRL	10	ug/L							
Isophorone	BRL	10	ug/L							
Naphthalene	BRL	10	ug/L							
Nitrobenzene	BRL	10	ug/L							
N-Nitroso-di-n-propylamine	BRL	10	ug/L							
N-Nitrosodiphenylamine	BRL	10	ug/L							
Pentachlorophenol	BRL	10	ug/L							
Phenanthrene	BRL	10	ug/L							
Phenol	BRL	10	ug/L							
Pyrene	BRL	10	ug/L							
Tentatively Identified Compounds	0.00		ug/L							
Surrogate: 2,4,6-Tribromophenol	*84.4*		*ug/L*	*100*		*84*	*26-139*			
Surrogate: 2-Fluorobiphenyl	*40.4*		*ug/L*	*50.0*		*81*	*41-112*			
Surrogate: 2-Fluorophenol	*55.2*		*ug/L*	*100*		*55*	*10-48*			*SR*
Surrogate: Nitrobenzene-d5	*43.9*		*ug/L*	*50.0*		*88*	*34-102*			
Surrogate: Phenol-d5	*32.8*		*ug/L*	*100*		*33*	*10-34*			
Surrogate: Terphenyl-d14	*45.0*		*ug/L*	*50.0*		*90*	*31-165*			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E0019 - 3510C MS										
LCS (P1E0019-BS1)				Prepared: 05/02/11 Analyzed: 05/03/11						
1,2,4-Trichlorobenzene	38.1	10	ug/L	50.0		76	39-102			
1,2-Dichlorobenzene	36.6	10	ug/L	50.0		73	46-90			
1,3-Dichlorobenzene	34.4	10	ug/L	50.0		69	31-100			
1,4-Dichlorobenzene	35.8	10	ug/L	50.0		72	45-89			
2,4,5-Trichlorophenol	49.4	10	ug/L	50.0		99	60-108			
2,4,6-Trichlorophenol	49.9	10	ug/L	50.0		100	48-118			
2,4-Dichlorophenol	43.2	10	ug/L	50.0		86	38-107			
2,4-Dimethylphenol	43.3	10	ug/L	50.0		87	26-108			
2,4-Dinitrophenol	43.2	10	ug/L	50.0		86	10-157			
2,4-Dinitrotoluene	58.3	10	ug/L	50.0		117	61-139			
2,6-Dinitrotoluene	55.2	10	ug/L	50.0		110	55-141			
2-Chloronaphthalene	53.5	10	ug/L	50.0		107	46-114			
2-Chlorophenol	42.1	10	ug/L	50.0		84	39-80			LH
2-Methylnaphthalene	40.9	10	ug/L	50.0		82	39-107			
2-Methylphenol	39.7	10	ug/L	50.0		79	24-73			LH
2-Nitroaniline	53.2	10	ug/L	50.0		106	65-123			
2-Nitrophenol	42.8	10	ug/L	50.0		86	40-111			
3,3'-Dichlorobenzidine	51.0	10	ug/L	50.0		102	25-203			
3/4-Methylphenol	35.5	10	ug/L	50.0		71	22-84			
3-Nitroaniline	58.1	10	ug/L	50.0		116	66-131			
4,6-Dinitro-2-methylphenol	46.5	10	ug/L	50.0		93	31-155			
4-Bromophenyl phenyl ether	51.8	10	ug/L	50.0		104	50-131			
4-Chloro-3-methylphenol	46.9	10	ug/L	50.0		94	48-94			
4-Chloroaniline	49.8	10	ug/L	50.0		100	45-120			
4-Chlorophenyl phenyl ether	50.6	10	ug/L	50.0		101	55-125			
4-Nitroaniline	59.5	10	ug/L	50.0		119	63-138			
4-Nitrophenol	25.2	10	ug/L	50.0		50	10-89			
Acenaphthene	50.9	10	ug/L	50.0		102	53-118			
Acenaphthylene	49.5	10	ug/L	50.0		99	52-121			
Aniline	48.6	10	ug/L	50.0		97	24-105			
Anthracene	51.8	10	ug/L	50.0		104	59-138			
Azobenzene	54.7	10	ug/L	50.0		109	65-123			
Benzo(a)anthracene	53.5	10	ug/L	50.0		107	63-138			
Benzo(a)pyrene	51.7	10	ug/L	50.0		103	67-142			
Benzo(b)fluoranthene	52.2	10	ug/L	50.0		104	58-151			
Benzo(g,h,i)perylene	49.9	10	ug/L	50.0		100	47-151			
Benzo(k)fluoranthene	52.2	10	ug/L	50.0		104	45-155			
Benzoic Acid	BRL	100	ug/L	50.0			10-125			LH
Benzyl alcohol	41.4	10	ug/L	50.0		83	25-77			LH
bis(2-Chloroethoxy)methane	43.0	10	ug/L	50.0		86	42-119			
Bis(2-Chloroethyl)ether	40.4	10	ug/L	50.0		81	38-109			
Bis(2-chloroisopropyl)ether	36.2	10	ug/L	50.0		72	31-117			
Bis(2-Ethylhexyl)phthalate	51.8	10	ug/L	50.0		104	52-165			
Butyl benzyl phthalate	54.4	10	ug/L	50.0		109	51-162			
Chrysene	52.0	10	ug/L	50.0		104	59-137			
Dibenzo(a,h)anthracene	48.6	10	ug/L	50.0		97	43-161			

Hart & Hickman (Charlotte)
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Charlotte, NC 28203

Project: Prestige Label

Prism Work Order: 1040602
Time Submitted: 4/28/11 8:10:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E0019 - 3510C MS										
LCS (P1E0019-BS1)				Prepared: 05/02/11 Analyzed: 05/03/11						
Dibenzofuran	47.8	10	ug/L	50.0		96	63-115			
Diethyl phthalate	55.1	10	ug/L	50.0		110	54-135			
Dimethyl phthalate	54.0	10	ug/L	50.0		108	46-135			
Di-n-butyl phthalate	53.5	10	ug/L	50.0		107	51-142			
Di-n-octyl phthalate	44.0	10	ug/L	50.0		88	54-160			
Fluoranthene	55.8	10	ug/L	50.0		112	52-137			
Fluorene	54.2	10	ug/L	50.0		108	56-122			
Hexachlorobenzene	50.0	10	ug/L	50.0		100	57-129			
Hexachlorobutadiene	37.0	10	ug/L	50.0		74	34-110			
Hexachlorocyclopentadiene	42.8	10	ug/L	50.0		86	27-120			
Hexachloroethane	35.4	10	ug/L	50.0		71	37-98			
Indeno(1,2,3-cd)pyrene	50.7	10	ug/L	50.0		101	24-172			
Isophorone	49.1	10	ug/L	50.0		98	44-117			
Naphthalene	40.3	10	ug/L	50.0		81	37-108			
Nitrobenzene	40.8	10	ug/L	50.0		82	29-120			
N-Nitroso-di-n-propylamine	42.5	10	ug/L	50.0		85	42-115			
N-Nitrosodiphenylamine	54.9	10	ug/L	50.0		110	69-142			
Pentachlorophenol	48.3	10	ug/L	50.0		97	42-156			
Phenanthrene	49.7	10	ug/L	50.0		99	60-133			
Phenol	16.3	10	ug/L	50.0		33	10-47			
Pyrene	44.4	10	ug/L	50.0		89	50-152			
Surrogate: 2,4,6-Tribromophenol	*115*		*ug/L*	*100*		*115*	*26-139*			
Surrogate: 2-Fluorobiphenyl	*48.9*		*ug/L*	*50.0*		*98*	*41-112*			
Surrogate: 2-Fluorophenol	*65.7*		*ug/L*	*100*		*66*	*10-48*			*SR*
Surrogate: Nitrobenzene-d5	*45.0*		*ug/L*	*50.0*		*90*	*34-102*			
Surrogate: Phenol-d5	*35.6*		*ug/L*	*100*		*36*	*10-34*			*SR*
Surrogate: Terphenyl-d14	*46.9*		*ug/L*	*50.0*		*94*	*31-165*			

Hart & Hickman (Charlotte)
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Charlotte, NC 28203

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E0019 - 3510C MS										
LCS Dup (P1E0019-BSD1)				Prepared: 05/02/11 Analyzed: 05/03/11						
1,2,4-Trichlorobenzene	45.2	10	ug/L	50.0		90	39-102	17	200	
1,2-Dichlorobenzene	44.8	10	ug/L	50.0		90	46-90	20	200	
1,3-Dichlorobenzene	44.5	10	ug/L	50.0		89	31-100	25	200	
1,4-Dichlorobenzene	44.6	10	ug/L	50.0		89	45-89	22	200	L2
2,4,5-Trichlorophenol	57.3	10	ug/L	50.0		115	60-108	15	200	L2
2,4,6-Trichlorophenol	55.1	10	ug/L	50.0		110	48-118	10	200	
2,4-Dichlorophenol	53.5	10	ug/L	50.0		107	38-107	21	200	
2,4-Dimethylphenol	52.2	10	ug/L	50.0		104	26-108	19	200	
2,4-Dinitrophenol	45.4	10	ug/L	50.0		91	10-157	5	200	
2,4-Dinitrotoluene	59.4	10	ug/L	50.0		119	61-139	2	200	
2,6-Dinitrotoluene	59.8	10	ug/L	50.0		120	55-141	8	200	
2-Chloronaphthalene	58.8	10	ug/L	50.0		118	46-114	9	200	L2
2-Chlorophenol	49.6	10	ug/L	50.0		99	39-80	16	200	LH
2-Methylnaphthalene	49.8	10	ug/L	50.0		100	39-107	20	200	
2-Methylphenol	47.6	10	ug/L	50.0		95	24-73	18	200	LH
2-Nitroaniline	60.0	10	ug/L	50.0		120	65-123	12	200	
2-Nitrophenol	51.9	10	ug/L	50.0		104	40-111	19	200	
3,3'-Dichlorobenzidine	55.8	10	ug/L	50.0		112	25-203	9	200	
3/4-Methylphenol	43.9	10	ug/L	50.0		88	22-84	21	200	L2
3-Nitroaniline	64.4	10	ug/L	50.0		129	66-131	10	200	
4,6-Dinitro-2-methylphenol	57.4	10	ug/L	50.0		115	31-155	21	200	
4-Bromophenyl phenyl ether	57.2	10	ug/L	50.0		114	50-131	10	200	
4-Chloro-3-methylphenol	56.4	10	ug/L	50.0		113	48-94	18	200	L2
4-Chloroaniline	61.7	10	ug/L	50.0		123	45-120	21	200	L2
4-Chlorophenyl phenyl ether	55.7	10	ug/L	50.0		111	55-125	10	200	
4-Nitroaniline	60.0	10	ug/L	50.0		120	63-138	0.9	200	
4-Nitrophenol	28.6	10	ug/L	50.0		57	10-89	13	200	
Acenaphthene	57.7	10	ug/L	50.0		115	53-118	13	200	
Acenaphthylene	54.0	10	ug/L	50.0		108	52-121	9	200	
Aniline	56.4	10	ug/L	50.0		113	24-105	15	200	L2
Anthracene	55.4	10	ug/L	50.0		111	59-138	7	200	
Azobenzene	57.0	10	ug/L	50.0		114	65-123	4	200	
Benzo(a)anthracene	56.4	10	ug/L	50.0		113	63-138	5	200	
Benzo(a)pyrene	55.9	10	ug/L	50.0		112	67-142	8	200	
Benzo(b)fluoranthene	54.9	10	ug/L	50.0		110	58-151	5	200	
Benzo(g,h,i)perylene	55.8	10	ug/L	50.0		112	47-151	11	200	
Benzo(k)fluoranthene	59.1	10	ug/L	50.0		118	45-155	12	200	
Benzoic Acid	BRL	100	ug/L	50.0			10-125		200	LH
Benzyl alcohol	48.7	10	ug/L	50.0		97	25-77	16	200	LH
bis(2-Chloroethoxy)methane	52.6	10	ug/L	50.0		105	42-119	20	200	
Bis(2-Chloroethyl)ether	49.6	10	ug/L	50.0		99	38-109	20	200	
Bis(2-chloroisopropyl)ether	43.0	10	ug/L	50.0		86	31-117	17	200	
Bis(2-Ethylhexyl)phthalate	56.6	10	ug/L	50.0		113	52-165	9	200	
Butyl benzyl phthalate	55.3	10	ug/L	50.0		111	51-162	2	200	
Chrysene	54.2	10	ug/L	50.0		108	59-137	4	200	
Dibenzo(a,h)anthracene	57.3	10	ug/L	50.0		115	43-161	16	200	

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E0019 - 3510C MS										
LCS Dup (P1E0019-BSD1)				Prepared: 05/02/11 Analyzed: 05/03/11						
Dibenzofuran	54.3	10	ug/L	50.0		109	63-115	13	200	
Diethyl phthalate	58.1	10	ug/L	50.0		116	54-135	5	200	
Dimethyl phthalate	57.8	10	ug/L	50.0		116	46-135	7	200	
Di-n-butyl phthalate	59.0	10	ug/L	50.0		118	51-142	10	200	
Di-n-octyl phthalate	49.4	10	ug/L	50.0		99	54-160	12	200	
Fluoranthene	60.0	10	ug/L	50.0		120	52-137	7	200	
Fluorene	57.7	10	ug/L	50.0		115	56-122	6	200	
Hexachlorobenzene	56.8	10	ug/L	50.0		114	57-129	13	200	
Hexachlorobutadiene	43.3	10	ug/L	50.0		87	34-110	16	200	
Hexachlorocyclopentadiene	49.8	10	ug/L	50.0		100	27-120	15	200	
Hexachloroethane	42.9	10	ug/L	50.0		86	37-98	19	200	
Indeno(1,2,3-cd)pyrene	61.6	10	ug/L	50.0		123	24-172	19	200	
Isophorone	55.5	10	ug/L	50.0		111	44-117	12	200	
Naphthalene	50.1	10	ug/L	50.0		100	37-108	22	200	
Nitrobenzene	50.6	10	ug/L	50.0		101	29-120	22	200	
N-Nitroso-di-n-propylamine	49.9	10	ug/L	50.0		100	42-115	16	200	
N-Nitrosodiphenylamine	64.9	10	ug/L	50.0		130	69-142	17	200	
Pentachlorophenol	54.5	10	ug/L	50.0		109	42-156	12	200	
Phenanthrene	55.5	10	ug/L	50.0		111	60-133	11	200	
Phenol	21.4	10	ug/L	50.0		43	10-47	27	200	
Pyrene	48.9	10	ug/L	50.0		98	50-152	10	200	
Surrogate: 2,4,6-Tribromophenol	*121*		*ug/L*	*100*		*121*	*26-139*			
Surrogate: 2-Fluorobiphenyl	*53.8*		*ug/L*	*50.0*		*108*	*41-112*			
Surrogate: 2-Fluorophenol	*76.4*		*ug/L*	*100*		*76*	*10-48*			*SR*
Surrogate: Nitrobenzene-d5	*51.6*		*ug/L*	*50.0*		*103*	*34-102*			*SR*
Surrogate: Phenol-d5	*42.7*		*ug/L*	*100*		*43*	*10-34*			*SR*
Surrogate: Terphenyl-d14	*48.9*		*ug/L*	*50.0*		*98*	*31-165*			

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Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D0563 - 3010A										
Blank (P1D0563-BLK1)				Prepared: 04/29/11 Analyzed: 05/03/11						
Antimony	BRL	0.010	mg/L							
Arsenic	BRL	0.010	mg/L							
Beryllium	BRL	0.0020	mg/L							
Cadmium	BRL	0.0010	mg/L							
Chromium	BRL	0.0050	mg/L							
Copper	BRL	0.010	mg/L							
Lead	BRL	0.0050	mg/L							
Manganese	BRL	0.010	mg/L							
Nickel	BRL	0.010	mg/L							
Selenium	BRL	0.020	mg/L							
Silver	BRL	0.0050	mg/L							
Thallium	BRL	0.010	mg/L							
Zinc	BRL	0.030	mg/L							
LCS (P1D0563-BS1)				Prepared: 04/29/11 Analyzed: 05/03/11						
Antimony	0.244	0.010	mg/L	0.250		97	80-120			
Arsenic	0.246	0.010	mg/L	0.250		98	80-120			
Beryllium	0.249	0.0020	mg/L	0.250		100	80-120			
Cadmium	0.251	0.0010	mg/L	0.250		100	80-120			
Chromium	0.253	0.0050	mg/L	0.250		101	80-120			
Copper	0.249	0.010	mg/L	0.250		100	80-120			
Lead	0.249	0.0050	mg/L	0.250		100	80-120			
Manganese	0.245	0.010	mg/L	0.250		98	80-120			
Nickel	0.250	0.010	mg/L	0.250		100	80-120			
Selenium	0.243	0.020	mg/L	0.250		97	80-120			
Silver	0.249	0.0050	mg/L	0.250		100	80-120			
Thallium	0.253	0.010	mg/L	0.250		101	80-120			
Zinc	0.249	0.030	mg/L	0.250		100	80-120			

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Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D0563 - 3010A										
Matrix Spike (P1D0563-MS1)		**Source: 1040602-02**		Prepared: 04/29/11		Analyzed: 05/03/11				
Antimony	0.241	0.010	mg/L	0.250	0.00176	96	75-125			
Arsenic	0.251	0.010	mg/L	0.250	0.00430	99	75-125			
Beryllium	0.248	0.0020	mg/L	0.250	BRL	99	75-125			
Cadmium	0.243	0.0010	mg/L	0.250	BRL	97	75-125			
Chromium	0.245	0.0050	mg/L	0.250	BRL	98	75-125			
Copper	0.253	0.010	mg/L	0.250	BRL	101	75-125			
Lead	0.235	0.0050	mg/L	0.250	BRL	94	75-125			
Manganese	0.441	0.010	mg/L	0.250	0.206	94	75-125			
Nickel	0.241	0.010	mg/L	0.250	BRL	96	75-125			
Selenium	0.261	0.020	mg/L	0.250	0.0264	94	75-125			
Silver	0.249	0.0050	mg/L	0.250	BRL	100	75-125			
Thallium	0.245	0.010	mg/L	0.250	BRL	98	75-125			
Zinc	0.247	0.030	mg/L	0.250	BRL	99	75-125			
Matrix Spike Dup (P1D0563-MSD1)		**Source: 1040602-02**		Prepared: 04/29/11		Analyzed: 05/03/11				
Antimony	0.238	0.010	mg/L	0.250	0.00176	95	75-125	1	20	
Arsenic	0.250	0.010	mg/L	0.250	0.00430	98	75-125	0.5	20	
Beryllium	0.247	0.0020	mg/L	0.250	BRL	99	75-125	0.3	20	
Cadmium	0.243	0.0010	mg/L	0.250	BRL	97	75-125	0.07	20	
Chromium	0.245	0.0050	mg/L	0.250	BRL	98	75-125	0.2	20	
Copper	0.251	0.010	mg/L	0.250	BRL	100	75-125	0.8	20	
Lead	0.235	0.0050	mg/L	0.250	BRL	94	75-125	0.01	20	
Manganese	0.437	0.010	mg/L	0.250	0.206	92	75-125	0.9	20	
Nickel	0.242	0.010	mg/L	0.250	BRL	97	75-125	0.3	20	
Selenium	0.264	0.020	mg/L	0.250	0.0264	95	75-125	1	20	
Silver	0.247	0.0050	mg/L	0.250	BRL	99	75-125	0.9	20	
Thallium	0.242	0.010	mg/L	0.250	BRL	97	75-125	1	20	
Zinc	0.247	0.030	mg/L	0.250	BRL	99	75-125	0.2	20	

Hart & Hickman (Charlotte)
Attn: Nathan O'Leary
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: Prestige Label

Prism Work Order: 1040602
Time Submitted: 4/28/11 8:10:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E0061 - 7470A										
Blank (P1E0061-BLK1)				Prepared & Analyzed: 05/05/11						
Mercury	BRL	0.00020	mg/L							
LCS (P1E0061-BS1)				Prepared & Analyzed: 05/05/11						
Mercury	0.00998	0.00020	mg/L	0.00938		106	80-120			
Matrix Spike (P1E0061-MS1)		**Source: 1040602-03**		Prepared & Analyzed: 05/05/11						
Mercury	0.00984	0.00020	mg/L	0.00938	BRL	105	80-120			
Matrix Spike Dup (P1E0061-MSD1)		**Source: 1040602-03**		Prepared & Analyzed: 05/05/11						
Mercury	0.00993	0.00020	mg/L	0.00938	BRL	106	80-120	0.9	20	

Sample Extraction Data

Prep Method: 3510C MS

Lab Number	Batch	Initial	Final	Date
1040602-01	P1E0019	1000 mL	1 mL	05/03/11
1040602-02	P1E0019	1000 mL	1 mL	05/03/11
1040602-05	P1E0019	1000 mL	1 mL	05/03/11
1040602-06	P1E0019	1000 mL	1 mL	05/03/11

Prep Method: 3010A

Lab Number	Batch	Initial	Final	Date
1040602-01	P1D0563	50 mL	50 mL	04/29/11
1040602-01	P1D0563	50 mL	50 mL	04/29/11
1040602-02	P1D0563	50 mL	50 mL	04/29/11
1040602-02	P1D0563	50 mL	50 mL	04/29/11
1040602-03	P1D0563	50 mL	50 mL	04/29/11
1040602-03	P1D0563	50 mL	50 mL	04/29/11
1040602-04	P1D0563	50 mL	50 mL	04/29/11
1040602-04	P1D0563	50 mL	50 mL	04/29/11
1040602-05	P1D0563	50 mL	50 mL	04/29/11
1040602-05	P1D0563	50 mL	50 mL	04/29/11
1040602-06	P1D0563	50 mL	50 mL	04/29/11
1040602-06	P1D0563	50 mL	50 mL	04/29/11

Prep Method: 7470A

Lab Number	Batch	Initial	Final	Date
1040602-01	P1E0061	20 mL	30 mL	05/05/11
1040602-02	P1E0061	20 mL	30 mL	05/05/11
1040602-03	P1E0061	20 mL	30 mL	05/05/11
1040602-04	P1E0061	20 mL	30 mL	05/05/11
1040602-05	P1E0061	20 mL	30 mL	05/05/11
1040602-06	P1E0061	20 mL	30 mL	05/05/11

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date
1040602-01	P1D0585	10 mL	10 mL	04/29/11
1040602-02	P1D0585	10 mL	10 mL	04/29/11
1040602-05	P1D0585	10 mL	10 mL	04/29/11
1040602-06	P1D0585	10 mL	10 mL	04/29/11

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543
Phone: 704/529-6364 • Fax: 704/525-0409

PAGE 1 OF 1 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Prestige Label

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: _____

Client Company Name: Hart + Hickman, PC

Report To/Contact Name: Nathan O'Leary

Reporting Address: Charlotte

Phone: 704-586-0007 Fax (Yes) (No): _____

Email (Yes) (No) Email Address _____

EDD Type: PDF ✓ Excel ___ Other _____

Site Location Name: Prestige Label

Site Location Physical Address: Burgaw, NC

Purchase Order No./Billing Reference _____

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days

"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved

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)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	X		
Received ON WET ICE? Temp 3.1	X		
PROPER PRESERVATIVES indicated?	X		
Received WITHIN HOLDING TIMES?	X		
CUSTODY SEALS INTACT?			X
VOLATILES rec'd W/OUT HEADSPACE?	X		
PROPER CONTAINERS used?	X		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ USACE ___ FL ___ NC ✓

SC ___ OTHER ___ N/A ___

Water Chlorinated: YES ___ NO ✓

Sample Iced Upon Collection: YES ✓ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	SAMPLE CONTAINER NO.	SAMPLE CONTAINER SIZE	PRESERVATIVES	ANALYSES REQUESTED: HSL	Metals	SVOCs	+TICs	1,4 Dioxane SIM			REMARKS	PRISM LAB ID NO.
W-1	4/26/11	1140	H_2O	Varies				X	X	X					SVOCs = 8270 +10TICs	01
W-2R		1455						X	X	X						02
MW-5		1620						X							1,4-Dioxane 8260 SIM	03
MW-7		1640						X								04
DUP-042611		Blind						X	X	X					HSL Metals = Sb	05
EB-042611		1045						X	X	X					As, Cd, Cr, Cu, Pb	06
															Mn, Hg, Ni, Se, Ag	
															Tl, Zn, Be	

Sampler's Signature Steven Vosbell Sampled By (Print Name) Steven Vosbell Affiliation H+H

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

		Date	Military/Hours
Relinquished By: (Signature) Steven Vosbell	Received By: (Signature) Alex Lassiter	042711	1040
Relinquished By: (Signature) Alex Lassiter	Received By: (Signature) David Morin	4-27-11	1355
Relinquished By: (Signature) David Morin 4-28-11 0810	Received For Prism Laboratories By: Mary Jurado	4/28/11	0810

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☒ Prism Field Service ☐ Other _____

COC Group No. 1040602

PRISM USE ONLY

Site Arrival Time: _____

Additional Comments: 26 Ice 2-A, G 250 HNO3 3 HCl VOAs

CODES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
	☐	☐	☐	☐	☐	☐	☐	☐

CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
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(336)623-8921

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Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

July 18, 2012

Mr. Nathan O'Leary
Hart & Hickman
2923 S. Tryon St
Charlotte, NC 28203

RE: Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Dear Mr. O'Leary:
Enclosed are the analytical results for sample(s) received by the laboratory on June 08, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE SUMMARY

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92120686001	**SB-1 0.5-1.5'**	Solid	06/05/12 11:30	06/08/12 09:50
92120686002	**SB-2 1-2'**	Solid	06/05/12 11:40	06/08/12 09:50
92120686003	**SB-3 1-2'**	Solid	06/05/12 12:00	06/08/12 09:50
92120686004	**SB-4 1-2'**	Solid	06/05/12 12:10	06/08/12 09:50
92120686005	**BG-1 1-2'**	Solid	06/05/12 14:00	06/08/12 09:50
92120686006	**BG-2 1-2'**	Solid	06/05/12 14:10	06/08/12 09:50
92120686007	**BG-3 1-2'**	Solid	06/05/12 14:20	06/08/12 09:50
92120686008	**BG-4 1-2'**	Solid	06/05/12 14:30	06/08/12 09:50
92120686009	**SB-5 1-2'**	Solid	06/05/12 14:50	06/08/12 09:50
92120686010	**SB-6 1-2'**	Solid	06/05/12 16:00	06/08/12 09:50
92120686011	**DUP SOIL**	Solid	06/05/12 00:00	06/08/12 09:50
92120686012	**RINSE BLANK**	Water	06/05/12 15:10	06/08/12 09:50
92120686013	**BG-5 4-5'**	Solid	06/06/12 09:15	06/08/12 09:50
92120686014	**BG-5 6-7'**	Solid	06/06/12 09:20	06/08/12 09:50
92120686015	**BG-5 4-5'**	Solid	06/06/12 10:45	06/08/12 09:50
92120686016	**BG-5 6-7'**	Solid	06/06/12 10:45	06/08/12 09:50
92120686017	**BG-6 4-5'**	Solid	06/06/12 14:45	06/08/12 09:50
92120686018	**BG-6 6-7'**	Solid	06/06/12 14:50	06/08/12 09:50
92120686019	**MW-10**	Water	06/07/12 10:40	06/08/12 09:50
92120686020	**MW-8**	Water	06/07/12 11:25	06/08/12 09:50
92120686021	**MW-9**	Water	06/07/12 12:20	06/08/12 09:50
92120686022	**DUP-GW**	Water	06/07/12 00:00	06/08/12 09:50

Pace Analytical
www.pacelabs.com

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SAMPLE ANALYTE COUNT

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92120686001	**SB-1 0.5-1.5'**	EPA 6010	JMW	13	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		EPA 7196	SDH	1	PASI-A
92120686002	**SB-2 1-2'**	EPA 6010	JMW	13	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		EPA 7196	SDH	1	PASI-A
92120686003	**SB-3 1-2'**	EPA 6010	JMW	13	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		EPA 7196	SDH	1	PASI-A
92120686004	**SB-4 1-2'**	EPA 6010	JMW	13	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		EPA 7196	SDH	1	PASI-A
92120686005	**BG-1 1-2'**	EPA 6010	JMW	13	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		EPA 7196	SDH	1	PASI-A
92120686006	**BG-2 1-2'**	EPA 6010	JMW	13	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		EPA 7196	SDH	1	PASI-A
92120686007	**BG-3 1-2'**	EPA 6010	JMW	13	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		EPA 7196	SDH	1	PASI-A
92120686008	**BG-4 1-2'**	EPA 6010	JMW	13	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		EPA 7196	SDH	1	PASI-A
92120686009	**SB-5 1-2'**	EPA 6010	JMW	13	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		EPA 7196	SDH	1	PASI-A
92120686010	**SB-6 1-2'**	EPA 6010	JMW	13	PASI-A

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SAMPLE ANALYTE COUNT

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		EPA 7196	SDH	1	PASI-A
92120686011	**DUP SOIL**	EPA 6010	JMW	13	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		EPA 7196	SDH	1	PASI-A
92120686012	**RINSE BLANK**	EPA 6010	JMW	13	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7196	SDH	1	PASI-A
92120686013	**BG-5 4-5'**	EPA 6010	JMW	13	PASI-A
		EPA 7471	SHB	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		ASTM D2974-87	HKV	1	PASI-G
		EPA 7196	SDH	1	PASI-A
92120686014	**BG-5 6-7'**	ASTM D2974-87	HKV	1	PASI-G
92120686017	**BG-6 4-5'**	EPA 6010	JMW	13	PASI-A
		EPA 7471	SHB	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
		ASTM D2974-87	HKV	1	PASI-G
		EPA 7196	SDH	1	PASI-A
92120686018	**BG-6 6-7'**	ASTM D2974-87	HKV	1	PASI-G
92120686019	**MW-10**	EPA 6010	JMW	13	PASI-A
		EPA 7470	JMW	1	PASI-A
92120686020	**MW-8**	EPA 6010	JMW	13	PASI-A
		EPA 7470	JMW	1	PASI-A
92120686021	**MW-9**	EPA 6010	JMW	13	PASI-A
		EPA 7470	JMW	1	PASI-A
92120686022	**DUP-GW**	EPA 6010	JMW	13	PASI-A
		EPA 7470	JMW	1	PASI-A

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: SB-1 0.5-1.5' **Lab ID: 92120686001** Collected: 06/05/12 11:30 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:04	7440-36-0	
Arsenic	**2.1**	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:04	7440-38-2	
Beryllium	ND	mg/kg	0.11	1	06/13/12 16:00	06/13/12 21:04	7440-41-7	
Cadmium	ND	mg/kg	0.11	1	06/13/12 16:00	06/13/12 21:04	7440-43-9	
Chromium	**10.9**	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:04	7440-47-3	
Copper	**2.7**	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:04	7440-50-8	
Lead	**3.7**	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:04	7439-92-1	
Manganese	**61.8**	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:04	7439-96-5	
Nickel	**5.9**	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:04	7440-02-0	
Selenium	ND	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:04	7782-49-2	
Silver	ND	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:04	7440-22-4	
Thallium	ND	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:04	7440-28-0	
Zinc	**14.1**	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:04	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.019**	mg/kg	0.0032	1	06/12/12 14:55	06/13/12 15:49	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.7**	%	0.10	1		06/11/12 15:56		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	ND	mg/kg	0.46	1	06/13/12 11:24	06/13/12 15:44	18540-29-9	N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: SB-2 1-2' **Lab ID: 92120686002** Collected: 06/05/12 11:40 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:09	7440-36-0	
Arsenic	**0.69**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:09	7440-38-2	
Beryllium	ND	mg/kg	0.095	1	06/13/12 16:00	06/13/12 21:09	7440-41-7	
Cadmium	ND	mg/kg	0.095	1	06/13/12 16:00	06/13/12 21:09	7440-43-9	
Chromium	**5.0**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:09	7440-47-3	
Copper	**0.67**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:09	7440-50-8	
Lead	**3.6**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:09	7439-92-1	
Manganese	**12.2**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:09	7439-96-5	
Nickel	**1.9**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:09	7440-02-0	
Selenium	ND	mg/kg	0.95	1	06/13/12 16:00	06/13/12 21:09	7782-49-2	
Silver	ND	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:09	7440-22-4	
Thallium	ND	mg/kg	0.95	1	06/13/12 16:00	06/13/12 21:09	7440-28-0	
Zinc	**3.5**	mg/kg	0.95	1	06/13/12 16:00	06/13/12 21:09	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.011**	mg/kg	0.0053	1	06/12/12 14:55	06/13/12 15:51	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**10.9**	%	0.10	1		06/11/12 15:56		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	ND	mg/kg	0.45	1	06/13/12 11:24	06/13/12 15:44	18540-29-9	N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: SB-3 1-2' **Lab ID: 92120686003** Collected: 06/05/12 12:00 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:13	7440-36-0	
Arsenic	ND	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:13	7440-38-2	
Beryllium	ND	mg/kg	0.11	1	06/13/12 16:00	06/13/12 21:13	7440-41-7	
Cadmium	ND	mg/kg	0.11	1	06/13/12 16:00	06/13/12 21:13	7440-43-9	
Chromium	**5.3**	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:13	7440-47-3	
Copper	ND	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:13	7440-50-8	
Lead	**3.8**	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:13	7439-92-1	
Manganese	**8.3**	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:13	7439-96-5	
Nickel	**1.3**	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:13	7440-02-0	
Selenium	ND	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:13	7782-49-2	
Silver	ND	mg/kg	0.56	1	06/13/12 16:00	06/13/12 21:13	7440-22-4	
Thallium	ND	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:13	7440-28-0	
Zinc	**2.8**	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:13	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.012**	mg/kg	0.0049	1	06/12/12 14:55	06/13/12 15:54	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**12.5**	%	0.10	1		06/11/12 15:56		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	ND	mg/kg	0.54	1	06/13/12 11:24	06/13/12 15:44	18540-29-9	N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: SB-4 1-2' **Lab ID: 92120686004** Collected: 06/05/12 12:10 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:26	7440-36-0	
Arsenic	**0.49**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:26	7440-38-2	
Beryllium	ND	mg/kg	0.096	1	06/13/12 16:00	06/13/12 21:26	7440-41-7	
Cadmium	ND	mg/kg	0.096	1	06/13/12 16:00	06/13/12 21:26	7440-43-9	
Chromium	**3.1**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:26	7440-47-3	
Copper	**0.58**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:26	7440-50-8	
Lead	**2.5**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:26	7439-92-1	
Manganese	**4.9**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:26	7439-96-5	
Nickel	**0.82**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:26	7440-02-0	
Selenium	ND	mg/kg	0.96	1	06/13/12 16:00	06/13/12 21:26	7782-49-2	
Silver	ND	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:26	7440-22-4	
Thallium	ND	mg/kg	0.96	1	06/13/12 16:00	06/13/12 21:26	7440-28-0	
Zinc	**1.9**	mg/kg	0.96	1	06/13/12 16:00	06/13/12 21:26	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.026**	mg/kg	0.0046	1	06/12/12 14:55	06/13/12 15:57	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**20.9**	%	0.10	1		06/11/12 15:57		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	ND	mg/kg	0.43	1	06/13/12 11:24	06/13/12 15:44	18540-29-9	N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: BG-1 1-2' **Lab ID: 92120686005** Collected: 06/05/12 14:00 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:29	7440-36-0	
Arsenic	ND	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:29	7440-38-2	
Beryllium	ND	mg/kg	0.097	1	06/13/12 16:00	06/13/12 21:29	7440-41-7	
Cadmium	ND	mg/kg	0.097	1	06/13/12 16:00	06/13/12 21:29	7440-43-9	
Chromium	**3.3**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:29	7440-47-3	
Copper	ND	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:29	7440-50-8	
Lead	**3.2**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:29	7439-92-1	
Manganese	**1.7**	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:29	7439-96-5	
Nickel	ND	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:29	7440-02-0	
Selenium	ND	mg/kg	0.97	1	06/13/12 16:00	06/13/12 21:29	7782-49-2	
Silver	ND	mg/kg	0.48	1	06/13/12 16:00	06/13/12 21:29	7440-22-4	
Thallium	ND	mg/kg	0.97	1	06/13/12 16:00	06/13/12 21:29	7440-28-0	
Zinc	**1.5**	mg/kg	0.97	1	06/13/12 16:00	06/13/12 21:29	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.011**	mg/kg	0.0055	1	06/12/12 14:55	06/13/12 15:59	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.2**	%	0.10	1		06/11/12 15:57		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	ND	mg/kg	0.47	1	06/13/12 11:24	06/13/12 15:44	18540-29-9	N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: BG-2 1-2' **Lab ID: 92120686006** Collected: 06/05/12 14:10 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.53	1	06/13/12 16:00	06/13/12 21:32	7440-36-0	
Arsenic	ND	mg/kg	0.53	1	06/13/12 16:00	06/13/12 21:32	7440-38-2	
Beryllium	ND	mg/kg	0.11	1	06/13/12 16:00	06/13/12 21:32	7440-41-7	
Cadmium	ND	mg/kg	0.11	1	06/13/12 16:00	06/13/12 21:32	7440-43-9	
Chromium	**3.6**	mg/kg	0.53	1	06/13/12 16:00	06/13/12 21:32	7440-47-3	
Copper	ND	mg/kg	0.53	1	06/13/12 16:00	06/13/12 21:32	7440-50-8	
Lead	**3.4**	mg/kg	0.53	1	06/13/12 16:00	06/13/12 21:32	7439-92-1	
Manganese	**1.4**	mg/kg	0.53	1	06/13/12 16:00	06/13/12 21:32	7439-96-5	
Nickel	ND	mg/kg	0.53	1	06/13/12 16:00	06/13/12 21:32	7440-02-0	
Selenium	ND	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:32	7782-49-2	
Silver	ND	mg/kg	0.53	1	06/13/12 16:00	06/13/12 21:32	7440-22-4	
Thallium	ND	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:32	7440-28-0	
Zinc	ND	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:32	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.013**	mg/kg	0.0046	1	06/12/12 14:55	06/13/12 16:02	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.0**	%	0.10	1		06/11/12 15:57		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	**0.72**	mg/kg	0.51	1	06/13/12 11:24	06/13/12 15:44	18540-29-9	N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: BG-3 1-2' **Lab ID: 92120686007** Collected: 06/05/12 14:20 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.50	1	06/13/12 16:00	06/13/12 21:35	7440-36-0	
Arsenic	ND	mg/kg	0.50	1	06/13/12 16:00	06/13/12 21:35	7440-38-2	
Beryllium	ND	mg/kg	0.099	1	06/13/12 16:00	06/13/12 21:35	7440-41-7	
Cadmium	ND	mg/kg	0.099	1	06/13/12 16:00	06/13/12 21:35	7440-43-9	
Chromium	**2.6**	mg/kg	0.50	1	06/13/12 16:00	06/13/12 21:35	7440-47-3	
Copper	ND	mg/kg	0.50	1	06/13/12 16:00	06/13/12 21:35	7440-50-8	
Lead	**2.7**	mg/kg	0.50	1	06/13/12 16:00	06/13/12 21:35	7439-92-1	
Manganese	**0.87**	mg/kg	0.50	1	06/13/12 16:00	06/13/12 21:35	7439-96-5	
Nickel	ND	mg/kg	0.50	1	06/13/12 16:00	06/13/12 21:35	7440-02-0	
Selenium	ND	mg/kg	0.99	1	06/13/12 16:00	06/13/12 21:35	7782-49-2	
Silver	ND	mg/kg	0.50	1	06/13/12 16:00	06/13/12 21:35	7440-22-4	
Thallium	ND	mg/kg	0.99	1	06/13/12 16:00	06/13/12 21:35	7440-28-0	
Zinc	**1.1**	mg/kg	0.99	1	06/13/12 16:00	06/13/12 21:35	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.0081**	mg/kg	0.0043	1	06/12/12 14:55	06/13/12 16:13	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**16.2**	%	0.10	1		06/11/12 15:57		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	ND	mg/kg	0.47	1	06/13/12 11:24	06/13/12 15:44	18540-29-9	N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: BG-4 1-2' **Lab ID: 92120686008** Collected: 06/05/12 14:30 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.54	1	06/13/12 16:00	06/13/12 21:39	7440-36-0	
Arsenic	**1.1**	mg/kg	0.54	1	06/13/12 16:00	06/13/12 21:39	7440-38-2	
Beryllium	**0.13**	mg/kg	0.11	1	06/13/12 16:00	06/13/12 21:39	7440-41-7	
Cadmium	ND	mg/kg	0.11	1	06/13/12 16:00	06/13/12 21:39	7440-43-9	
Chromium	**6.8**	mg/kg	0.54	1	06/13/12 16:00	06/13/12 21:39	7440-47-3	
Copper	**0.89**	mg/kg	0.54	1	06/13/12 16:00	06/13/12 21:39	7440-50-8	
Lead	**3.3**	mg/kg	0.54	1	06/13/12 16:00	06/13/12 21:39	7439-92-1	
Manganese	**4.1**	mg/kg	0.54	1	06/13/12 16:00	06/13/12 21:39	7439-96-5	
Nickel	**0.79**	mg/kg	0.54	1	06/13/12 16:00	06/13/12 21:39	7440-02-0	
Selenium	ND	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:39	7782-49-2	
Silver	ND	mg/kg	0.54	1	06/13/12 16:00	06/13/12 21:39	7440-22-4	
Thallium	ND	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:39	7440-28-0	
Zinc	**3.6**	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:39	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.010**	mg/kg	0.0037	1	06/12/12 14:55	06/13/12 16:16	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**11.0**	%	0.10	1		06/11/12 16:10		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	ND	mg/kg	0.53	1	06/13/12 11:24	06/13/12 15:44	18540-29-9	N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: SB-5 1-2' **Lab ID: 92120686009** Collected: 06/05/12 14:50 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.55	1	06/13/12 16:00	06/13/12 21:42	7440-36-0	
Arsenic	ND	mg/kg	0.55	1	06/13/12 16:00	06/13/12 21:42	7440-38-2	
Beryllium	ND	mg/kg	0.11	1	06/13/12 16:00	06/13/12 21:42	7440-41-7	
Cadmium	ND	mg/kg	0.11	1	06/13/12 16:00	06/13/12 21:42	7440-43-9	
Chromium	**4.2**	mg/kg	0.55	1	06/13/12 16:00	06/13/12 21:42	7440-47-3	
Copper	ND	mg/kg	0.55	1	06/13/12 16:00	06/13/12 21:42	7440-50-8	
Lead	**3.4**	mg/kg	0.55	1	06/13/12 16:00	06/13/12 21:42	7439-92-1	
Manganese	**7.2**	mg/kg	0.55	1	06/13/12 16:00	06/13/12 21:42	7439-96-5	
Nickel	**0.89**	mg/kg	0.55	1	06/13/12 16:00	06/13/12 21:42	7440-02-0	
Selenium	ND	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:42	7782-49-2	
Silver	ND	mg/kg	0.55	1	06/13/12 16:00	06/13/12 21:42	7440-22-4	
Thallium	ND	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:42	7440-28-0	
Zinc	**2.0**	mg/kg	1.1	1	06/13/12 16:00	06/13/12 21:42	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.010**	mg/kg	0.0059	1	06/12/12 14:55	06/13/12 16:18	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**14.6**	%	0.10	1		06/11/12 18:49		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	ND	mg/kg	0.56	1	06/13/12 11:24	06/13/12 15:44	18540-29-9	N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: SB-6 1-2' **Lab ID: 92120686010** Collected: 06/05/12 16:00 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.37	1	06/13/12 16:00	06/13/12 21:45	7440-36-0	
Arsenic	**1.6**	mg/kg	0.37	1	06/13/12 16:00	06/13/12 21:45	7440-38-2	
Beryllium	**0.27**	mg/kg	0.074	1	06/13/12 16:00	06/13/12 21:45	7440-41-7	
Cadmium	**0.55**	mg/kg	0.074	1	06/13/12 16:00	06/13/12 21:45	7440-43-9	
Chromium	**8.1**	mg/kg	0.37	1	06/13/12 16:00	06/13/12 21:45	7440-47-3	
Copper	**1.6**	mg/kg	0.37	1	06/13/12 16:00	06/13/12 21:45	7440-50-8	
Lead	**3.1**	mg/kg	0.37	1	06/13/12 16:00	06/13/12 21:45	7439-92-1	
Manganese	**9.9**	mg/kg	0.37	1	06/13/12 16:00	06/13/12 21:45	7439-96-5	
Nickel	**1.7**	mg/kg	0.37	1	06/13/12 16:00	06/13/12 21:45	7440-02-0	
Selenium	ND	mg/kg	0.74	1	06/13/12 16:00	06/13/12 21:45	7782-49-2	
Silver	ND	mg/kg	0.37	1	06/13/12 16:00	06/13/12 21:45	7440-22-4	
Thallium	ND	mg/kg	0.74	1	06/13/12 16:00	06/13/12 21:45	7440-28-0	
Zinc	**5.9**	mg/kg	0.74	1	06/13/12 16:00	06/13/12 21:45	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.0097**	mg/kg	0.0044	1	06/12/12 14:55	06/13/12 16:21	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**23.2**	%	0.10	1		06/11/12 18:50		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	ND	mg/kg	0.62	1	06/13/12 11:24	06/13/12 15:44	18540-29-9	N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: DUP SOIL **Lab ID: 92120686011** Collected: 06/05/12 00:00 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.42	1	06/13/12 16:00	06/13/12 21:48	7440-36-0	
Arsenic	ND	mg/kg	0.42	1	06/13/12 16:00	06/13/12 21:48	7440-38-2	
Beryllium	ND	mg/kg	0.084	1	06/13/12 16:00	06/13/12 21:48	7440-41-7	
Cadmium	ND	mg/kg	0.084	1	06/13/12 16:00	06/13/12 21:48	7440-43-9	
Chromium	**8.4**	mg/kg	0.42	1	06/13/12 16:00	06/13/12 21:48	7440-47-3	
Copper	**0.66**	mg/kg	0.42	1	06/13/12 16:00	06/13/12 21:48	7440-50-8	
Lead	**5.5**	mg/kg	0.42	1	06/13/12 16:00	06/13/12 21:48	7439-92-1	
Manganese	**3.5**	mg/kg	0.42	1	06/13/12 16:00	06/13/12 21:48	7439-96-5	
Nickel	**2.8**	mg/kg	0.42	1	06/13/12 16:00	06/13/12 21:48	7440-02-0	
Selenium	ND	mg/kg	0.84	1	06/13/12 16:00	06/13/12 21:48	7782-49-2	
Silver	ND	mg/kg	0.42	1	06/13/12 16:00	06/13/12 21:48	7440-22-4	
Thallium	ND	mg/kg	0.84	1	06/13/12 16:00	06/13/12 21:48	7440-28-0	
Zinc	**3.2**	mg/kg	0.84	1	06/13/12 16:00	06/13/12 21:48	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.011**	mg/kg	0.0047	1	06/12/12 14:55	06/13/12 16:23	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.5**	%	0.10	1		06/11/12 18:50		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	ND	mg/kg	0.56	1	06/13/12 11:24	06/13/12 15:44	18540-29-9	N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: RINSE BLANK **Lab ID: 92120686012** Collected: 06/05/12 15:10 Received: 06/08/12 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, 3030C	Analytical Method: EPA 6010 Preparation Method: SM 3030C							
Antimony	**5.1**	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:51	7440-36-0	
Arsenic	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:51	7440-38-2	
Beryllium	ND	ug/L	1.0	1	06/08/12 14:50	06/11/12 21:51	7440-41-7	
Cadmium	ND	ug/L	1.0	1	06/08/12 14:50	06/11/12 21:51	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:51	7440-47-3	
Copper	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:51	7440-50-8	
Lead	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:51	7439-92-1	
Manganese	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:51	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:51	7440-02-0	
Selenium	ND	ug/L	10.0	1	06/08/12 14:50	06/11/12 21:51	7782-49-2	
Silver	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:51	7440-22-4	
Thallium	ND	ug/L	10.0	1	06/08/12 14:50	06/11/12 21:51	7440-28-0	
Zinc	ND	ug/L	10.0	1	06/08/12 14:50	06/11/12 21:51	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/12/12 11:40	06/13/12 13:33	7439-97-6	
7196 Chromium, Hexavalent	Analytical Method: EPA 7196							
Chromium, Hexavalent	ND	mg/L	0.050	1		06/08/12 16:07	18540-29-9	H1,N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: BG-5 4-5' **Lab ID: 92120686013** Collected: 06/06/12 09:15 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.34	1	07/12/12 08:50	07/13/12 16:55	7440-36-0	
Arsenic	**0.55**	mg/kg	0.34	1	07/12/12 08:50	07/12/12 17:44	7440-38-2	
Beryllium	ND	mg/kg	0.067	1	07/12/12 08:50	07/12/12 17:44	7440-41-7	
Cadmium	ND	mg/kg	0.067	1	07/12/12 08:50	07/12/12 17:44	7440-43-9	
Chromium	**2.9**	mg/kg	0.34	1	07/12/12 08:50	07/12/12 17:44	7440-47-3	
Copper	ND	mg/kg	0.34	1	07/12/12 08:50	07/12/12 17:44	7440-50-8	
Lead	**2.9**	mg/kg	0.34	1	07/12/12 08:50	07/12/12 17:44	7439-92-1	
Manganese	**0.82**	mg/kg	0.34	1	07/12/12 08:50	07/12/12 17:44	7439-96-5	
Nickel	ND	mg/kg	0.34	1	07/12/12 08:50	07/12/12 17:44	7440-02-0	
Selenium	ND	mg/kg	0.67	1	07/12/12 08:50	07/12/12 17:44	7782-49-2	
Silver	ND	mg/kg	0.34	1	07/12/12 08:50	07/12/12 17:44	7440-22-4	
Thallium	ND	mg/kg	0.67	1	07/12/12 08:50	07/12/12 17:44	7440-28-0	
Zinc	**0.81**	mg/kg	0.67	1	07/12/12 08:50	07/12/12 17:44	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.0065**	mg/kg	0.0028	1	07/12/12 11:10	07/12/12 15:12	7439-97-6	H1,H2
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**12.3**	%	0.10	1		07/12/12 09:09		
Fractional Organic Carbon	Analytical Method: ASTM D2974-87							
Fractional Organic Carbon	**0.49**	% (w/w)	0.058	1		06/13/12 08:51		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	ND	mg/kg	0.45	1	07/18/12 14:48	07/18/12 15:46	18540-29-9	M1,N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: BG-5 6-7' **Lab ID: 92120686014** Collected: 06/06/12 09:20 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Fractional Organic Carbon	Analytical Method: ASTM D2974-87							
Fractional Organic Carbon	**0.38**	% (w/w)	0.058	1		06/13/12 08:54		

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: BG-6 4-5' **Lab ID: 92120686017** Collected: 06/06/12 14:45 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.31	1	07/12/12 08:50	07/13/12 17:11	7440-36-0	
Arsenic	**0.51**	mg/kg	0.31	1	07/12/12 08:50	07/12/12 17:49	7440-38-2	
Beryllium	ND	mg/kg	0.062	1	07/12/12 08:50	07/12/12 17:49	7440-41-7	
Cadmium	ND	mg/kg	0.062	1	07/12/12 08:50	07/12/12 17:49	7440-43-9	
Chromium	**2.9**	mg/kg	0.31	1	07/12/12 08:50	07/12/12 17:49	7440-47-3	
Copper	**0.36**	mg/kg	0.31	1	07/12/12 08:50	07/12/12 17:49	7440-50-8	
Lead	**5.8**	mg/kg	0.31	1	07/12/12 08:50	07/12/12 17:49	7439-92-1	
Manganese	**3.8**	mg/kg	0.31	1	07/12/12 08:50	07/12/12 17:49	7439-96-5	
Nickel	**0.39**	mg/kg	0.31	1	07/12/12 08:50	07/12/12 17:49	7440-02-0	
Selenium	ND	mg/kg	0.62	1	07/12/12 08:50	07/12/12 17:49	7782-49-2	
Silver	ND	mg/kg	0.31	1	07/12/12 08:50	07/12/12 17:49	7440-22-4	
Thallium	ND	mg/kg	0.62	1	07/12/12 08:50	07/12/12 17:49	7440-28-0	
Zinc	**5.0**	mg/kg	0.62	1	07/12/12 08:50	07/12/12 17:49	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.0064**	mg/kg	0.0044	1	07/12/12 11:10	07/12/12 15:25	7439-97-6	H1,H2
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**16.6**	%	0.10	1		07/12/12 09:10		
Fractional Organic Carbon	Analytical Method: ASTM D2974-87							
Fractional Organic Carbon	**1.3**	% (w/w)	0.058	1		06/13/12 08:56		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196 Preparation Method: EPA 7196							
Chromium, Hexavalent	ND	mg/kg	0.56	1	07/18/12 14:48	07/18/12 15:46	18540-29-9	N2

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: BG-6 6-7' **Lab ID: 92120686018** Collected: 06/06/12 14:50 Received: 06/08/12 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Fractional Organic Carbon	Analytical Method: ASTM D2974-87							
Fractional Organic Carbon	**0.24**	% (w/w)	0.058	1		06/13/12 08:58		

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: MW-10 **Lab ID: 92120686019** Collected: 06/07/12 10:40 Received: 06/08/12 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, 3030C	Analytical Method: EPA 6010 Preparation Method: SM 3030C							
Antimony	**6.7**	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:58	7440-36-0	
Arsenic	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:58	7440-38-2	
Beryllium	ND	ug/L	1.0	1	06/08/12 14:50	06/11/12 21:58	7440-41-7	
Cadmium	ND	ug/L	1.0	1	06/08/12 14:50	06/11/12 21:58	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:58	7440-47-3	
Copper	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:58	7440-50-8	
Lead	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:58	7439-92-1	
Manganese	**52.0**	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:58	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:58	7440-02-0	
Selenium	ND	ug/L	10.0	1	06/08/12 14:50	06/11/12 21:58	7782-49-2	
Silver	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 21:58	7440-22-4	
Thallium	ND	ug/L	10.0	1	06/08/12 14:50	06/11/12 21:58	7440-28-0	
Zinc	**15.1**	ug/L	10.0	1	06/08/12 14:50	06/11/12 21:58	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/12/12 11:40	06/13/12 13:41	7439-97-6	

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: MW-8 **Lab ID: 92120686020** Collected: 06/07/12 11:25 Received: 06/08/12 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, 3030C	Analytical Method: EPA 6010 Preparation Method: SM 3030C							
Antimony	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:15	7440-36-0	
Arsenic	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:15	7440-38-2	
Beryllium	ND	ug/L	1.0	1	06/08/12 14:50	06/11/12 22:15	7440-41-7	
Cadmium	ND	ug/L	1.0	1	06/08/12 14:50	06/11/12 22:15	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:15	7440-47-3	
Copper	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:15	7440-50-8	
Lead	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:15	7439-92-1	
Manganese	**58.3**	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:15	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:15	7440-02-0	
Selenium	ND	ug/L	10.0	1	06/08/12 14:50	06/11/12 22:15	7782-49-2	
Silver	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:15	7440-22-4	
Thallium	ND	ug/L	10.0	1	06/08/12 14:50	06/11/12 22:15	7440-28-0	
Zinc	**188**	ug/L	10.0	1	06/08/12 14:50	06/11/12 22:15	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/12/12 11:40	06/13/12 13:43	7439-97-6	

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: MW-9 **Lab ID: 92120686021** Collected: 06/07/12 12:20 Received: 06/08/12 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, 3030C	Analytical Method: EPA 6010 Preparation Method: SM 3030C							
Antimony	**5.4**	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:18	7440-36-0	
Arsenic	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:18	7440-38-2	
Beryllium	ND	ug/L	1.0	1	06/08/12 14:50	06/11/12 22:18	7440-41-7	
Cadmium	ND	ug/L	1.0	1	06/08/12 14:50	06/11/12 22:18	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:18	7440-47-3	
Copper	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:18	7440-50-8	
Lead	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:18	7439-92-1	
Manganese	**51.1**	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:18	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:18	7440-02-0	
Selenium	ND	ug/L	10.0	1	06/08/12 14:50	06/11/12 22:18	7782-49-2	
Silver	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:18	7440-22-4	
Thallium	ND	ug/L	10.0	1	06/08/12 14:50	06/11/12 22:18	7440-28-0	
Zinc	**389**	ug/L	10.0	1	06/08/12 14:50	06/11/12 22:18	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/12/12 11:40	06/13/12 13:46	7439-97-6	

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ANALYTICAL RESULTS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Sample: DUP-GW **Lab ID: 92120686022** Collected: 06/07/12 00:00 Received: 06/08/12 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, 3030C	Analytical Method: EPA 6010 Preparation Method: SM 3030C							
Antimony	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:21	7440-36-0	
Arsenic	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:21	7440-38-2	
Beryllium	ND	ug/L	1.0	1	06/08/12 14:50	06/11/12 22:21	7440-41-7	
Cadmium	ND	ug/L	1.0	1	06/08/12 14:50	06/11/12 22:21	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:21	7440-47-3	
Copper	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:21	7440-50-8	
Lead	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:21	7439-92-1	
Manganese	**51.0**	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:21	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:21	7440-02-0	
Selenium	ND	ug/L	10.0	1	06/08/12 14:50	06/11/12 22:21	7782-49-2	
Silver	ND	ug/L	5.0	1	06/08/12 14:50	06/11/12 22:21	7440-22-4	
Thallium	ND	ug/L	10.0	1	06/08/12 14:50	06/11/12 22:21	7440-28-0	
Zinc	**16.0**	ug/L	10.0	1	06/08/12 14:50	06/11/12 22:21	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/12/12 11:40	06/13/12 13:49	7439-97-6	

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: MERP/4286 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92120686012, 92120686019, 92120686020, 92120686021, 92120686022

METHOD BLANK: 777100 Matrix: Water
Associated Lab Samples: 92120686012, 92120686019, 92120686020, 92120686021, 92120686022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	06/13/12 13:28	

LABORATORY CONTROL SAMPLE: 777101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.1	82	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 777102 777103

Parameter	Units	92120686012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.1	2.0	83	80	75-125	3	25	

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: MERP/4288 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92120686001, 92120686002, 92120686003, 92120686004, 92120686005, 92120686006, 92120686007, 92120686008, 92120686009, 92120686010, 92120686011

METHOD BLANK: 777110 Matrix: Solid
Associated Lab Samples: 92120686001, 92120686002, 92120686003, 92120686004, 92120686005, 92120686006, 92120686007, 92120686008, 92120686009, 92120686010, 92120686011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	06/13/12 15:22	

LABORATORY CONTROL SAMPLE: 777111

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.057	86	80-120	

MATRIX SPIKE SAMPLE: 777112

Parameter	Units	92120557003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.013 ug/g	.061	0.046	56	75-125	M1

SAMPLE DUPLICATE: 777113

Parameter	Units	92120635001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	ND	.0035J		20	

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: MERP/4348 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92120686013, 92120686017

METHOD BLANK: 792602 Matrix: Solid
Associated Lab Samples: 92120686013, 92120686017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	07/12/12 15:07	

LABORATORY CONTROL SAMPLE: 792603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.061	92	80-120	

MATRIX SPIKE SAMPLE: 792604

Parameter	Units	92120686013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.0065	.038	0.038	85	75-125	H1,H2

SAMPLE DUPLICATE: 792605

Parameter	Units	92120686017 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.0064	0.0081	23	20	D6,H1,H2

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: MPRP/10799 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 92120686001, 92120686002, 92120686003, 92120686004, 92120686005, 92120686006, 92120686007, 92120686008, 92120686009, 92120686010, 92120686011

METHOD BLANK: 777882 Matrix: Solid
Associated Lab Samples: 92120686001, 92120686002, 92120686003, 92120686004, 92120686005, 92120686006, 92120686007, 92120686008, 92120686009, 92120686010, 92120686011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	ND	0.50	06/13/12 20:13	
Arsenic	mg/kg	ND	0.50	06/13/12 20:13	
Beryllium	mg/kg	ND	0.10	06/13/12 20:13	
Cadmium	mg/kg	ND	0.10	06/13/12 20:13	
Chromium	mg/kg	ND	0.50	06/13/12 20:13	
Copper	mg/kg	ND	0.50	06/13/12 20:13	
Lead	mg/kg	ND	0.50	06/13/12 20:13	
Manganese	mg/kg	ND	0.50	06/13/12 20:13	
Nickel	mg/kg	ND	0.50	06/13/12 20:13	
Selenium	mg/kg	ND	1.0	06/13/12 20:13	
Silver	mg/kg	ND	0.50	06/13/12 20:13	
Thallium	mg/kg	ND	1.0	06/13/12 20:13	
Zinc	mg/kg	ND	1.0	06/13/12 20:13	

LABORATORY CONTROL SAMPLE: 777883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	50	50.2	100	80-120	
Arsenic	mg/kg	50	50.3	101	80-120	
Beryllium	mg/kg	50	51.8	104	80-120	
Cadmium	mg/kg	50	51.2	102	80-120	
Chromium	mg/kg	50	49.3	99	80-120	
Copper	mg/kg	50	50.2	100	80-120	
Lead	mg/kg	50	51.2	102	80-120	
Manganese	mg/kg	50	50.4	101	80-120	
Nickel	mg/kg	50	50.2	100	80-120	
Selenium	mg/kg	50	50.3	101	80-120	
Silver	mg/kg	25	25.1	100	80-120	
Thallium	mg/kg	50	47.0	94	80-120	
Zinc	mg/kg	50	51.0	102	80-120	

MATRIX SPIKE SAMPLE: 777884

Parameter	Units	92120557002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	ND	27.8	27.0	97	75-125	
Arsenic	mg/kg	ND	27.8	29.4	106	75-125	
Beryllium	mg/kg	ND	27.8	29.2	105	75-125	
Cadmium	mg/kg	ND	27.8	27.3	98	75-125	

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

MATRIX SPIKE SAMPLE: 777884

Parameter	Units	92120557002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	mg/kg	ND	27.8	27.9	100	75-125	
Copper	mg/kg	1.33 ug/g	27.8	29.4	101	75-125	
Lead	mg/kg	ND	27.8	26.6	95	75-125	
Manganese	mg/kg	ND	27.8	29.3	105	75-125	
Nickel	mg/kg	ND	27.8	27.9	100	75-125	
Selenium	mg/kg	ND	27.8	34.2	121	75-125	
Silver	mg/kg	ND	13.9	13.6	98	75-125	
Thallium	mg/kg	ND	27.8	22.2	80	75-125	
Zinc	mg/kg	1.31 ug/g	27.8	29.9	103	75-125	

SAMPLE DUPLICATE: 777885

Parameter	Units	92120557003 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	mg/kg	ND	ND		20	
Arsenic	mg/kg	ND	ND		20	
Beryllium	mg/kg	ND	ND		20	
Cadmium	mg/kg	1.88 ug/g	0.39	131	20	D6
Chromium	mg/kg	ND	ND		20	
Copper	mg/kg	0.353 ug/g	.19J		20	
Lead	mg/kg	12.8 ug/g	2.8	129	20	D6
Manganese	mg/kg	ND	.026J		20	
Nickel	mg/kg	ND	ND		20	
Selenium	mg/kg	ND	ND		20	
Silver	mg/kg	ND	ND		20	
Thallium	mg/kg	ND	ND		20	
Zinc	mg/kg	1.11 ug/g	ND		20	

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: MPRP/10988
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 92120686013, 92120686017

METHOD BLANK: 793019 Matrix: Solid
Associated Lab Samples: 92120686013, 92120686017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	ND	0.50	07/12/12 17:29	
Arsenic	mg/kg	ND	0.50	07/12/12 17:29	
Beryllium	mg/kg	ND	0.10	07/12/12 17:29	
Cadmium	mg/kg	ND	0.10	07/12/12 17:29	
Chromium	mg/kg	ND	0.50	07/12/12 17:29	
Copper	mg/kg	ND	0.50	07/12/12 17:29	
Lead	mg/kg	ND	0.50	07/12/12 17:29	
Manganese	mg/kg	ND	0.50	07/12/12 17:29	
Nickel	mg/kg	ND	0.50	07/12/12 17:29	
Selenium	mg/kg	ND	1.0	07/12/12 17:29	
Silver	mg/kg	ND	0.50	07/12/12 17:29	
Thallium	mg/kg	ND	1.0	07/12/12 17:29	
Zinc	mg/kg	ND	1.0	07/12/12 17:29	

LABORATORY CONTROL SAMPLE: 793020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	50	49.2	98	80-120	
Arsenic	mg/kg	50	49.2	98	80-120	
Beryllium	mg/kg	50	49.5	99	80-120	
Cadmium	mg/kg	50	49.1	98	80-120	
Chromium	mg/kg	50	48.3	97	80-120	
Copper	mg/kg	50	49.8	100	80-120	
Lead	mg/kg	50	48.8	98	80-120	
Manganese	mg/kg	50	48.8	98	80-120	
Nickel	mg/kg	50	48.9	98	80-120	
Selenium	mg/kg	50	50.0	100	80-120	
Silver	mg/kg	25	24.4	98	80-120	
Thallium	mg/kg	50	47.8	96	80-120	
Zinc	mg/kg	50	48.2	96	80-120	

MATRIX SPIKE SAMPLE: 793021

Parameter	Units	92120686013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	ND	31.7	18.9	60	75-125	M1
Arsenic	mg/kg	0.55	31.7	28.9	89	75-125	
Beryllium	mg/kg	ND	31.7	31.9	100	75-125	
Cadmium	mg/kg	ND	31.7	31.2	98	75-125	
Chromium	mg/kg	2.9	31.7	34.2	99	75-125	
Copper	mg/kg	ND	31.7	30.9	98	75-125	

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

MATRIX SPIKE SAMPLE: 793021

Parameter	Units	92120686013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	2.9	31.7	31.9	92	75-125	
Manganese	mg/kg	0.82	31.7	32.0	98	75-125	
Nickel	mg/kg	ND	31.7	31.1	97	75-125	
Selenium	mg/kg	ND	31.7	29.8	93	75-125	
Silver	mg/kg	ND	15.8	15.4	97	75-125	
Thallium	mg/kg	ND	31.7	28.9	91	75-125	
Zinc	mg/kg	0.81	31.7	32.6	100	75-125	

SAMPLE DUPLICATE: 793023

Parameter	Units	92120686017 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	mg/kg	ND	ND		20	
Arsenic	mg/kg	0.51	0.44	14	20	
Beryllium	mg/kg	ND	.049J		20	
Cadmium	mg/kg	ND	ND		20	
Chromium	mg/kg	2.9	2.7	7	20	
Copper	mg/kg	0.36	.27J		20	
Lead	mg/kg	5.8	4.6	25	20	D6
Manganese	mg/kg	3.8	3.2	17	20	
Nickel	mg/kg	0.39	0.53	31	20	D6
Selenium	mg/kg	ND	ND		20	
Silver	mg/kg	ND	ND		20	
Thallium	mg/kg	ND	ND		20	
Zinc	mg/kg	5.0	3.9	25	20	D6

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: MPRP/10775 Analysis Method: EPA 6010
QC Batch Method: SM 3030C Analysis Description: 6010 MET 3030C
Associated Lab Samples: 92120686012, 92120686019, 92120686020, 92120686021, 92120686022

METHOD BLANK: 776024 Matrix: Water
Associated Lab Samples: 92120686012, 92120686019, 92120686020, 92120686021, 92120686022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	06/11/12 21:44	
Arsenic	ug/L	ND	5.0	06/11/12 21:44	
Beryllium	ug/L	ND	1.0	06/11/12 21:44	
Cadmium	ug/L	ND	1.0	06/11/12 21:44	
Chromium	ug/L	ND	5.0	06/11/12 21:44	
Copper	ug/L	ND	5.0	06/11/12 21:44	
Lead	ug/L	ND	5.0	06/11/12 21:44	
Manganese	ug/L	ND	5.0	06/11/12 21:44	
Nickel	ug/L	ND	5.0	06/11/12 21:44	
Selenium	ug/L	ND	10.0	06/11/12 21:44	
Silver	ug/L	ND	5.0	06/11/12 21:44	
Thallium	ug/L	ND	10.0	06/11/12 21:44	
Zinc	ug/L	ND	10.0	06/11/12 21:44	

LABORATORY CONTROL SAMPLE: 776025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	507	101	80-120	
Arsenic	ug/L	500	512	102	80-120	
Beryllium	ug/L	500	539	108	80-120	
Cadmium	ug/L	500	519	104	80-120	
Chromium	ug/L	500	494	99	80-120	
Copper	ug/L	500	495	99	80-120	
Lead	ug/L	500	516	103	80-120	
Manganese	ug/L	500	495	99	80-120	
Nickel	ug/L	500	508	102	80-120	
Selenium	ug/L	500	593	119	80-120	
Silver	ug/L	250	252	101	80-120	
Thallium	ug/L	500	426	85	80-120	
Zinc	ug/L	500	561	112	80-120	

MATRIX SPIKE SAMPLE: 776026

Parameter	Units	92120686012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	5.1	500	504	100	75-125	
Arsenic	ug/L	ND	500	506	101	75-125	
Beryllium	ug/L	ND	500	531	106	75-125	
Cadmium	ug/L	ND	500	516	103	75-125	
Chromium	ug/L	ND	500	493	99	75-125	
Copper	ug/L	ND	500	491	98	75-125	

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

MATRIX SPIKE SAMPLE: 776026

Parameter	Units	92120686012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	500	515	103	75-125	
Manganese	ug/L	ND	500	495	99	75-125	
Nickel	ug/L	ND	500	505	101	75-125	
Selenium	ug/L	ND	500	566	113	75-125	
Silver	ug/L	ND	250	252	101	75-125	
Thallium	ug/L	ND	500	435	85	75-125	
Zinc	ug/L	ND	500	542	107	75-125	

SAMPLE DUPLICATE: 776027

Parameter	Units	92120686019 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	6.7	4.5J		20	
Arsenic	ug/L	ND	ND		20	
Beryllium	ug/L	ND	ND		20	
Cadmium	ug/L	ND	ND		20	
Chromium	ug/L	ND	ND		20	
Copper	ug/L	ND	2.6J		20	
Lead	ug/L	ND	ND		20	
Manganese	ug/L	52.0	52.3	1	20	
Nickel	ug/L	ND	3.1J		20	
Selenium	ug/L	ND	ND		20	
Silver	ug/L	ND	ND		20	
Thallium	ug/L	ND	ND		20	
Zinc	ug/L	15.1	23.3	43	20	D6

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: PMST/4807
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92120686001, 92120686002, 92120686003, 92120686004, 92120686005, 92120686006, 92120686007, 92120686008

SAMPLE DUPLICATE: 776740

Parameter	Units	92120781001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.6	8.5	1	25	

SAMPLE DUPLICATE: 776741

Parameter	Units	92120741002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	96.4	96.6	0	25	

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(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: PMST/4808
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92120686009, 92120686010, 92120686011

SAMPLE DUPLICATE: 776746

Parameter	Units	92120777001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.7	11.9	27	25	R1

SAMPLE DUPLICATE: 776747

Parameter	Units	92120762010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.6	15.1	3	25	

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: PMST/4862
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92120686013, 92120686017

SAMPLE DUPLICATE: 792520

Parameter	Units	92120686013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.3	13.0	5	25	

SAMPLE DUPLICATE: 792521

Parameter	Units	92123698004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.4	20.8	2	25	

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: WET/11915 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: D2974 Fractional Organic Carbon
Associated Lab Samples: 92120686013, 92120686014, 92120686017, 92120686018

METHOD BLANK: 619900 Matrix: Solid
Associated Lab Samples: 92120686013, 92120686014, 92120686017, 92120686018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fractional Organic Carbon	% (w/w)	ND	0.058	06/13/12 08:47	

SAMPLE DUPLICATE: 619902

Parameter	Units	4061704006 Result	Dup Result	RPD	Max RPD	Qualifiers
Fractional Organic Carbon	% (w/w)	0.31	0.40	24	10	R1

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: WETA/12325 Analysis Method: EPA 7196
QC Batch Method: EPA 7196 Analysis Description: 7196 Chromium, Hexavalent
Associated Lab Samples: 92120686001, 92120686002, 92120686003, 92120686004, 92120686005, 92120686006, 92120686007, 92120686008, 92120686009, 92120686010, 92120686011

METHOD BLANK: 777566 Matrix: Solid
Associated Lab Samples: 92120686001, 92120686002, 92120686003, 92120686004, 92120686005, 92120686006, 92120686007, 92120686008, 92120686009, 92120686010, 92120686011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/kg	ND	5.0	06/13/12 15:44	N2

LABORATORY CONTROL SAMPLE: 777567

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	50	51.6	103	90-110	N2

MATRIX SPIKE SAMPLE: 777569

Parameter	Units	92120686001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	ND	5.8	4.7	80	75-125	N2

MATRIX SPIKE SAMPLE: 777571

Parameter	Units	92120686011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	ND	5.6	5.3	93	75-125	N2

SAMPLE DUPLICATE: 777568

Parameter	Units	92120686001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	mg/kg	ND	ND		20	N2

SAMPLE DUPLICATE: 777570

Parameter	Units	92120686011 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	mg/kg	ND	.11J		20	N2

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(828)254-7176

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(704)875-9092

QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: WETA/12661 Analysis Method: EPA 7196
QC Batch Method: EPA 7196 Analysis Description: 7196 Chromium, Hexavalent
Associated Lab Samples: 92120686013, 92120686017

METHOD BLANK: 796856 Matrix: Solid
Associated Lab Samples: 92120686013, 92120686017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/kg	ND	5.0	07/18/12 15:46	N2

LABORATORY CONTROL SAMPLE: 796857

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	50	51.1	102	90-110	N2

MATRIX SPIKE SAMPLE: 796859

Parameter	Units	92120686013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	ND	5.1	1.1	21	75-125	M1,N2

SAMPLE DUPLICATE: 796858

Parameter	Units	92120686013 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	mg/kg	ND	ND		20	N2

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QUALITY CONTROL DATA

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

QC Batch: WETA/12286
QC Batch Method: EPA 7196
Analysis Method: EPA 7196
Analysis Description: 7196 Chromium, Hexavalent
Associated Lab Samples: 92120686012

METHOD BLANK: 776106 Matrix: Water
Associated Lab Samples: 92120686012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	ND	0.050	06/08/12 16:07	N2

LABORATORY CONTROL SAMPLE: 776107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	.5	0.48	96	90-110	N2

MATRIX SPIKE SAMPLE: 776109

Parameter	Units	92120686012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	ND	.5	0.48	91	75-125	H1,N2

SAMPLE DUPLICATE: 776108

Parameter	Units	92120686012 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	mg/L	ND	ND		20	H1,N2

QUALIFIERS

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
H2	Extraction or preparation conducted outside EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold TNI accreditation for this parameter.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92120686001	**SB-1 0.5-1.5'**	EPA 3050	MPRP/10799	EPA 6010	ICP/9925
92120686002	**SB-2 1-2'**	EPA 3050	MPRP/10799	EPA 6010	ICP/9925
92120686003	**SB-3 1-2'**	EPA 3050	MPRP/10799	EPA 6010	ICP/9925
92120686004	**SB-4 1-2'**	EPA 3050	MPRP/10799	EPA 6010	ICP/9925
92120686005	**BG-1 1-2'**	EPA 3050	MPRP/10799	EPA 6010	ICP/9925
92120686006	**BG-2 1-2'**	EPA 3050	MPRP/10799	EPA 6010	ICP/9925
92120686007	**BG-3 1-2'**	EPA 3050	MPRP/10799	EPA 6010	ICP/9925
92120686008	**BG-4 1-2'**	EPA 3050	MPRP/10799	EPA 6010	ICP/9925
92120686009	**SB-5 1-2'**	EPA 3050	MPRP/10799	EPA 6010	ICP/9925
92120686010	**SB-6 1-2'**	EPA 3050	MPRP/10799	EPA 6010	ICP/9925
92120686011	**DUP SOIL**	EPA 3050	MPRP/10799	EPA 6010	ICP/9925
92120686013	**BG-5 4-5'**	EPA 3050	MPRP/10988	EPA 6010	ICP/10099
92120686017	**BG-6 4-5'**	EPA 3050	MPRP/10988	EPA 6010	ICP/10099
92120686012	**RINSE BLANK**	SM 3030C	MPRP/10775	EPA 6010	ICP/9899
92120686019	**MW-10**	SM 3030C	MPRP/10775	EPA 6010	ICP/9899
92120686020	**MW-8**	SM 3030C	MPRP/10775	EPA 6010	ICP/9899
92120686021	**MW-9**	SM 3030C	MPRP/10775	EPA 6010	ICP/9899
92120686022	**DUP-GW**	SM 3030C	MPRP/10775	EPA 6010	ICP/9899
92120686012	**RINSE BLANK**	EPA 7470	MERP/4286	EPA 7470	MERC/4204
92120686019	**MW-10**	EPA 7470	MERP/4286	EPA 7470	MERC/4204
92120686020	**MW-8**	EPA 7470	MERP/4286	EPA 7470	MERC/4204
92120686021	**MW-9**	EPA 7470	MERP/4286	EPA 7470	MERC/4204
92120686022	**DUP-GW**	EPA 7470	MERP/4286	EPA 7470	MERC/4204
92120686001	**SB-1 0.5-1.5'**	EPA 7471	MERP/4288	EPA 7471	MERC/4206
92120686002	**SB-2 1-2'**	EPA 7471	MERP/4288	EPA 7471	MERC/4206
92120686003	**SB-3 1-2'**	EPA 7471	MERP/4288	EPA 7471	MERC/4206
92120686004	**SB-4 1-2'**	EPA 7471	MERP/4288	EPA 7471	MERC/4206
92120686005	**BG-1 1-2'**	EPA 7471	MERP/4288	EPA 7471	MERC/4206
92120686006	**BG-2 1-2'**	EPA 7471	MERP/4288	EPA 7471	MERC/4206
92120686007	**BG-3 1-2'**	EPA 7471	MERP/4288	EPA 7471	MERC/4206
92120686008	**BG-4 1-2'**	EPA 7471	MERP/4288	EPA 7471	MERC/4206
92120686009	**SB-5 1-2'**	EPA 7471	MERP/4288	EPA 7471	MERC/4206
92120686010	**SB-6 1-2'**	EPA 7471	MERP/4288	EPA 7471	MERC/4206
92120686011	**DUP SOIL**	EPA 7471	MERP/4288	EPA 7471	MERC/4206
92120686013	**BG-5 4-5'**	EPA 7471	MERP/4348	EPA 7471	MERC/4265
92120686017	**BG-6 4-5'**	EPA 7471	MERP/4348	EPA 7471	MERC/4265
92120686001	**SB-1 0.5-1.5'**	ASTM D2974-87	PMST/4807		
92120686002	**SB-2 1-2'**	ASTM D2974-87	PMST/4807		
92120686003	**SB-3 1-2'**	ASTM D2974-87	PMST/4807		
92120686004	**SB-4 1-2'**	ASTM D2974-87	PMST/4807		
92120686005	**BG-1 1-2'**	ASTM D2974-87	PMST/4807		
92120686006	**BG-2 1-2'**	ASTM D2974-87	PMST/4807		
92120686007	**BG-3 1-2'**	ASTM D2974-87	PMST/4807		
92120686008	**BG-4 1-2'**	ASTM D2974-87	PMST/4807		
92120686009	**SB-5 1-2'**	ASTM D2974-87	PMST/4808		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PRESTIGE LABEL HEY-001
Pace Project No.: 92120686

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92120686010	**SB-6 1-2'**	ASTM D2974-87	PMST/4808		
92120686011	**DUP SOIL**	ASTM D2974-87	PMST/4808		
92120686013	**BG-5 4-5'**	ASTM D2974-87	PMST/4862		
92120686017	**BG-6 4-5'**	ASTM D2974-87	PMST/4862		
92120686013	**BG-5 4-5'**	ASTM D2974-87	WET/11915		
92120686014	**BG-5 6-7'**	ASTM D2974-87	WET/11915		
92120686017	**BG-6 4-5'**	ASTM D2974-87	WET/11915		
92120686018	**BG-6 6-7'**	ASTM D2974-87	WET/11915		
92120686001	**SB-1 0.5-1.5'**	EPA 7196	WETA/12325	EPA 7196	WETA/12337
92120686002	**SB-2 1-2'**	EPA 7196	WETA/12325	EPA 7196	WETA/12337
92120686003	**SB-3 1-2'**	EPA 7196	WETA/12325	EPA 7196	WETA/12337
92120686004	**SB-4 1-2'**	EPA 7196	WETA/12325	EPA 7196	WETA/12337
92120686005	**BG-1 1-2'**	EPA 7196	WETA/12325	EPA 7196	WETA/12337
92120686006	**BG-2 1-2'**	EPA 7196	WETA/12325	EPA 7196	WETA/12337
92120686007	**BG-3 1-2'**	EPA 7196	WETA/12325	EPA 7196	WETA/12337
92120686008	**BG-4 1-2'**	EPA 7196	WETA/12325	EPA 7196	WETA/12337
92120686009	**SB-5 1-2'**	EPA 7196	WETA/12325	EPA 7196	WETA/12337
92120686010	**SB-6 1-2'**	EPA 7196	WETA/12325	EPA 7196	WETA/12337
92120686011	**DUP SOIL**	EPA 7196	WETA/12325	EPA 7196	WETA/12337
92120686013	**BG-5 4-5'**	EPA 7196	WETA/12661	EPA 7196	WETA/12663
92120686017	**BG-6 4-5'**	EPA 7196	WETA/12661	EPA 7196	WETA/12663
92120686012	**RINSE BLANK**	EPA 7196	WETA/12286		

Report Number
12-163-0649 **Page:** 1 of 2

Account Number
45631

A&L Eastern Laboratories, Inc.
7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446
www.aleastern.com

Send To : PACE ANALYTICAL SERVICES INC
9800 KINCEY AVENUE
SUITE 100
HUNTERSVILLE , NC 28078

Client : WO 92120686 PRESTIGE LABEL

Purchase Order : CHS011726
Report Date : 6/18/2012
Date Received : 6/11/2012

REPORT OF ANALYSIS

		Bulk Density, Undisturbed Soil
		BULK DENSITY
Lab No	**Sample ID** **Sample Date and Time**	**g/cc**
05033	BG5 4-5	1.122
05034	BG5 6-7	1.144
05035	BG6 4-5	1.069
05036	BG6 6-7	1.006

Pauric McGroary

Sample results are reported 'as received' and are not moisture corrected unless noted

Report Number
12-163-0649 **Page:** 2 of 2

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SUITE 100
HUNTERSVILLE , NC 28078

Client : WO 92120686 PRESTIGE LABEL

Purchase Order : CHS011726
Report Date : 6/18/2012
Date Received : 6/11/2012

REPORT OF ANALYSIS

Method Reference:
Methods of Soil Analysis, Part 3 - Chemical Methods, 2nd Ed. Rev. Soil Science Society of America, Black, C.A et al. 1982

Pauric McGroary

Sample results are reported 'as received' and are not moisture corrected unless noted

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of

1564329

Section A Required Client Information:

Company: Hart + Hickman, PC
Address: 2923 S. Tryon St Ste 100
Charlotte, NC
Email To: noleary@harthickman.com
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Nathan Oleary
Copy To:
Purchase Order No.: HEY-001
Project Name: Prestige Label
Project Number: HEY-001

Section C Invoice Information:

Attention: Cynthia Wells
Company Name: H+H
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 3997-3

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: HSL Metals	Hex Cr	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SB-1 0.5-1.5'	SL	G		~~1130~~	6/5	1130		2	2								X	X		92120686001
2	SB-2 1-2'						1140														002
3	SB-3 1-2'						1200														003
4	SB-4 1-2'						1210														004
5	BG-1 1-2'						1400														005
6	BG-2 1-2'						1410														006
7	BG-3 1-2'						1420														007
8	BG-4 1-2'						1430														008
9	SB-5 1-2'						1450														009
10	SB-6 1-2'						1600														010
11	DUP-SOIL						Blind														011
12	Rinsate Blank	WT	G				1510		2	1			1								012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Steven Voshell	6/7/12	1600		6/8/12	09:50	3.6	Y	Y	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Steven Voshell
SIGNATURE of SAMPLER: Steven Voshell
DATE Signed (MM/DD/YY): 06/06/12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of

1564328

Section A Required Client Information:

Company: Hart + Hickman
Address: 2923 S. Tryon St. Ste 100
Email To: noleary@harthickman
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Nathan O'Leary
Copy To:
Purchase Order No.:
Project Name: Prestige Label
Project Number: AEY-001

Section C Invoice Information:

Attention: Cynthia Wells
Company Name: H+H
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	FOC	Bulk Density	452 metals 3050C	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	BG-5 4-5'	SL	G			6/6	0915		1	1									X				92120686 013
2	BG-5 6-7'						0920		1	1									X				014
3	BG-5 4-5'						1045			1										X			015
4	BG-5 6-7'						1045			1										X			016
5	BG-6 4-5'						1445			1									X				017
6	BG-6 6-7'						1450			1									X				018
7	MW-10	WT				6/7	1040					1									X		019
8	MW-8						~~1055~~ 1115					1									X		020
9	MW-9						1220					1									X		021
10	DUP-GW						Blind					1									X		022
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		6/7/12	1600		6/8/12	09:50	3.6	Y	Y	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Steven Voshell

SIGNATURE of SAMPLER: Steven Voshell

DATE Signed (MM/DD/YY): 06/06/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: October 19, 2011 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.07	Issuing Authorities: Pace Asheville Quality Office

Client Name: H & H Project # 92120686

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden

Courier (Circle): Fed Ex UPS USPS Client Commercial Pace Other

Optional: Proj Due Date: Proj Name:

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Circle Thermometer Used: IR Gun#2-80344089 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

IR Gun Back Up- 111565135

Temp Correction Factor: Add / Subtract 0.2 C

Corrected Cooler Temp.: 3.6 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C **Comments:**

Date and Initials of person examining contents: 6/8/12

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☑No ☐N/A	5. Cr+6 for Rinsate Blank out of Hold
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. Cr+6 3030C
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☑No ☐N/A	9. water Reed in 40z Jars
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL/WT		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	✓ Initial when completed
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Person Contacted: Nathan Date/Time: 6/8/12 Field Data Required? Y / N

Comments/ Resolution: Hex Cr water Reed out of Hold

Run Rinse Blank out of Hold.

SCURF Review: JD Date: 6/11/12 **SRF Review:** JD Date: 6/11/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
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June 28, 2012

Mr. Nathan O'Leary
Hart & Hickman
2923 S. Tryon St
Charlotte, NC 28203

RE: Project: HEY-002 BURGOW
Pace Project No.: 92122140

Dear Mr. O'Leary:
Enclosed are the analytical results for sample(s) received by the laboratory on June 22, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: HEY-002 BURGOW
Pace Project No.: 92122140

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE SUMMARY

Project: HEY-002 BURGOW
Pace Project No.: 92122140

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92122140001	**MW-11**	Water	06/21/12 16:55	06/22/12 09:50

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SAMPLE ANALYTE COUNT

Project: HEY-002 BURGOW
Pace Project No.: 92122140

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92122140001	**MW-11**	EPA 6010	JMW	13	PASI-A
		EPA 7470	SHB	1	PASI-A

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ANALYTICAL RESULTS

Project: HEY-002 BURGOW
Pace Project No.: 92122140

Sample: MW-11 **Lab ID: 92122140001** Collected: 06/21/12 16:55 Received: 06/22/12 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, 3030C	Analytical Method: EPA 6010 Preparation Method: SM 3030C							
Antimony	ND	ug/L	5.0	1	06/23/12 14:25	06/25/12 23:45	7440-36-0	
Arsenic	ND	ug/L	5.0	1	06/23/12 14:25	06/27/12 15:40	7440-38-2	
Beryllium	ND	ug/L	1.0	1	06/23/12 14:25	06/25/12 23:45	7440-41-7	
Cadmium	ND	ug/L	1.0	1	06/23/12 14:25	06/25/12 23:45	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/23/12 14:25	06/25/12 23:45	7440-47-3	
Copper	ND	ug/L	5.0	1	06/23/12 14:25	06/25/12 23:45	7440-50-8	
Lead	ND	ug/L	5.0	1	06/23/12 14:25	06/25/12 23:45	7439-92-1	
Manganese	**84.6**	ug/L	5.0	1	06/23/12 14:25	06/25/12 23:45	7439-96-5	
Nickel	**9.4**	ug/L	5.0	1	06/23/12 14:25	06/25/12 23:45	7440-02-0	
Selenium	ND	ug/L	10.0	1	06/23/12 14:25	06/25/12 23:45	7782-49-2	
Silver	ND	ug/L	5.0	1	06/23/12 14:25	06/25/12 23:45	7440-22-4	
Thallium	ND	ug/L	10.0	1	06/23/12 14:25	06/25/12 23:45	7440-28-0	
Zinc	**116**	ug/L	10.0	1	06/23/12 14:25	06/25/12 23:45	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/23/12 17:20	06/26/12 11:58	7439-97-6	

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QUALITY CONTROL DATA

Project: HEY-002 BURGOW
Pace Project No.: 92122140

QC Batch: MERP/4315
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 92122140001

METHOD BLANK: 783841 Matrix: Water
Associated Lab Samples: 92122140001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	06/26/12 11:18	

LABORATORY CONTROL SAMPLE: 783842

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.2	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 783843 783844

Parameter	Units	92121813001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.3	2.2	92	90	75-125	3	25	

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QUALITY CONTROL DATA

Project: HEY-002 BURGOW
Pace Project No.: 92122140

QC Batch: MPRP/10882
QC Batch Method: SM 3030C
Analysis Method: EPA 6010
Analysis Description: 6010 MET 3030C
Associated Lab Samples: 92122140001

METHOD BLANK: 784495 Matrix: Water
Associated Lab Samples: 92122140001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	06/25/12 23:39	
Arsenic	ug/L	ND	5.0	06/25/12 23:39	
Beryllium	ug/L	ND	1.0	06/25/12 23:39	
Cadmium	ug/L	ND	1.0	06/25/12 23:39	
Chromium	ug/L	ND	5.0	06/25/12 23:39	
Copper	ug/L	ND	5.0	06/25/12 23:39	
Lead	ug/L	ND	5.0	06/25/12 23:39	
Manganese	ug/L	ND	5.0	06/25/12 23:39	
Nickel	ug/L	ND	5.0	06/25/12 23:39	
Selenium	ug/L	ND	10.0	06/25/12 23:39	
Silver	ug/L	ND	5.0	06/25/12 23:39	
Thallium	ug/L	ND	10.0	06/25/12 23:39	
Zinc	ug/L	ND	10.0	06/25/12 23:39	

LABORATORY CONTROL SAMPLE: 784496

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	460	92	80-120	
Arsenic	ug/L	500	480	96	80-120	
Beryllium	ug/L	500	466	93	80-120	
Cadmium	ug/L	500	480	96	80-120	
Chromium	ug/L	500	456	91	80-120	
Copper	ug/L	500	445	89	80-120	
Lead	ug/L	500	459	92	80-120	
Manganese	ug/L	500	448	90	80-120	
Nickel	ug/L	500	467	93	80-120	
Selenium	ug/L	500	510	102	80-120	
Silver	ug/L	250	232	93	80-120	
Thallium	ug/L	500	460	92	80-120	
Zinc	ug/L	500	471	94	80-120	

MATRIX SPIKE SAMPLE: 784497

Parameter	Units	92122140001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	472	94	75-125	
Arsenic	ug/L	ND	500	541	108	75-125	
Beryllium	ug/L	ND	500	485	97	75-125	
Cadmium	ug/L	ND	500	484	97	75-125	
Chromium	ug/L	ND	500	468	94	75-125	
Copper	ug/L	ND	500	457	91	75-125	

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QUALITY CONTROL DATA

Project: HEY-002 BURGOW
Pace Project No.: 92122140

MATRIX SPIKE SAMPLE: 784497

Parameter	Units	92122140001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	500	470	93	75-125	
Manganese	ug/L	84.6	500	538	91	75-125	
Nickel	ug/L	9.4	500	482	95	75-125	
Selenium	ug/L	ND	500	506	101	75-125	
Silver	ug/L	ND	250	234	93	75-125	
Thallium	ug/L	ND	500	433	86	75-125	
Zinc	ug/L	116	500	578	93	75-125	

SAMPLE DUPLICATE: 784498

Parameter	Units	92122233002 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	3.2J		20	
Arsenic	ug/L	ND	ND		20	
Beryllium	ug/L	ND	ND		20	
Cadmium	ug/L	ND	ND		20	
Chromium	ug/L	ND	ND		20	
Copper	ug/L	ND	.75J		20	
Lead	ug/L	ND	ND		20	
Manganese	ug/L	10.5	10.4	1	20	
Nickel	ug/L	ND	ND		20	
Selenium	ug/L	ND	5.5J		20	
Silver	ug/L	ND	ND		20	
Thallium	ug/L	ND	ND		20	
Zinc	ug/L	ND	1.8J		20	

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QUALIFIERS

Project: HEY-002 BURGOW
Pace Project No.: 92122140

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HEY-002 BURGOW
Pace Project No.: 92122140

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92122140001	**MW-11**	SM 3030C	MPRP/10882	EPA 6010	ICP/10000
92122140001	**MW-11**	EPA 7470	MERP/4315	EPA 7470	MERC/4231

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1569926

Section A Required Client Information:

Company: Hart & Hickman
Address: 2923 S. Tryon ST. Suite 100
Charlotte, NC 28203
Email To: NOleary@harthickman.com
Phone: 704 586 0007 Fax:
Requested Due Date/TAT: ~~5 day~~ Short Hold

Section B Required Project Information:

Report To: NATHAN O'Leary
Copy To:
Purchase Order No.:
Project Name: Hey-002 Burgaw
Project Number:

Section C Invoice Information:

Attention: Cynthia Wells
Company Name: Same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 3997-3

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information (SAMPLE ID)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START / GRAB DATE	COLLECTED COMPOSITE START / GRAB TIME	COLLECTED COMPOSITE END / GRAB DATE	COLLECTED COMPOSITE END / GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	HSL metals 6010/7470 w/3030 prep	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-11	WT	G	6/21/12	1655	6/21/12	1655		1			1						X	X		92122140 001
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
SHORT Hold Analysis	Jimmy Carr / Hart & Hickman	6/22/12	950		06/22/12	0958	3.1	Y	N	Y

SAMPLER NAME AND SIGNATURE: Jimmy Carr
PRINT Name of SAMPLER: Jimmy Carr
SIGNATURE of SAMPLER: Jimmy Carr
DATE Signed (MM/DD/YY): 06/21/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: May 7, 2012 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.07**	Issuing Authority: Pace Huntersville Quality Office

Client Name: Hart & Hickman Project # 92122140

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other_____

Thermometer Used: IR Gun (T1101) T1102 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1101**: No Correction **T1102**: No Correction

Corrected Cooler Temp.: 3.1 C **Biological Tissue is Frozen:** Yes No (N/A)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 6/22/12

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: [signature] Date: 6/22/12 **SRF Review:** BKM Date: 6/25/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Appendix C

Site Photographs

Photograph 1: South side of the site as viewed from the east.

Photograph 2: East side of the manufacturing and office area building as viewed from the northeast.

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Photograph 3: East side of the manufacturing and office area building as viewed from the east.

Photograph 4: East side of the manufacturing and office area building as viewed from the southeast.

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Photograph 5: Northeast corner of the office area as viewed from the southeast.

Photograph 6: East side of the manufacturing and office area building as viewed from the south.

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Photograph 7: Loading docks along the eastern side of the manufacturing area as viewed from the southeast.

Photograph 8: Loading docks along the east side of the manufacturing area as viewed from the east.

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Photograph 9: North side of the office area as viewed from the east.

Photograph 10: North side of the office area as viewed from the north.

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Photograph 11: North side of the site as viewed from the east.

Photograph 12: Northwest side of the site as viewed from the northwest.

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Photograph 13: North side of the new building as viewed from the north.

Photograph 14: West side of the office area as viewed from the west.

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Photograph 15: West side of the new building as viewed from the south.

Photograph 16: West side of the new building as viewed from the north.

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Appendix D

Soil Boring Logs and Well Construction Records

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SMARTER ENVIRONMENTAL SOLUTIONS

2923 South Tryon Street-Suite 100
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3334 Hillsborough Street
Raleigh, North Carolina 27607
919-847-4241(p) 919-847-4261(f)

BORING NUMBER BG-1

PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						TOPSOIL with grass		0
						Moist to wet, dark brown, fine sandy SILT		
1								1
2						Bottom of borehole at 2.0 feet.		2

DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/5/12
BORING COMPLETED: 6/5/12
TOTAL DEPTH: 2 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Soil sample collected from 1 to 2 ft bgs.

BORING LOG - HART HICKMAN.GDT - 10/16/12 16:21 - C:\DOCUMENTS AND SETTINGS\TDESA\DESKTOP\FOR NATHAN.GPJ

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BORING NUMBER BG-2

PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						TOPSOIL with grass		0
						Moist to wet, dark brown, fine sandy SILT		
1								1
2						Bottom of borehole at 2.0 feet.		2

DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/5/12
BORING COMPLETED: 6/5/12
TOTAL DEPTH: 2 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Soil sample collected from 1 to 2 ft bgs.

BORING LOG - HART HICKMAN.GDT - 10/16/12 16:21 - C:\DOCUMENTS AND SETTINGS\TDESA\DESKTOP\FOR NATHAN.GPJ

BORING NUMBER BG-3

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PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						TOPSOIL with grass		0
						Moist to wet, dark brown, fine sandy SILT		
1								1
2						Bottom of borehole at 2.0 feet.		2

DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/5/12
BORING COMPLETED: 6/5/12
TOTAL DEPTH: 2 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Soil sample collected from 1 to 2 ft bgs.

BORING LOG - HART HICKMAN.GDT - 10/16/12 16:21 - C:\DOCUMENTS AND SETTINGS\TDESA\DESKTOP\FOR NATHAN.GPJ

BORING NUMBER BG-4

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PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						TOPSOIL with grass		0
						Moist to wet, dark brown, fine sandy SILT		
1								1
2						Bottom of borehole at 2.0 feet.		2

DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/5/12
BORING COMPLETED: 6/5/12
TOTAL DEPTH: 2 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Soil sample collected from 1 to 2 ft bgs.

BORING LOG - HART HICKMAN.GDT - 10/16/12 16:21 - C:\DOCUMENTS AND SETTINGS\TDESA\DESKTOP\FOR NATHAN.GPJ

BORING NUMBER MW-10

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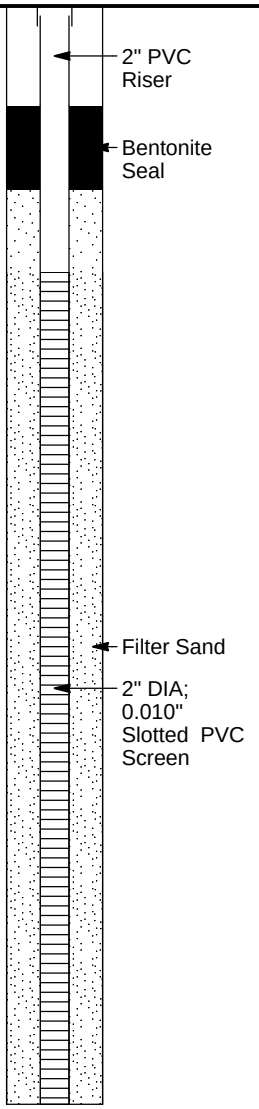
PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION
0.0						Moist to wet, dark brown, SILT
						Wet, gray, fine sandy SILT
7.5						Moist to wet, orange and gray, mottled CLAY
13.2						Bottom of borehole at 13.2 feet.

BORING DIAGRAM



DEPTH (ft): 0.0, 2.5, 5.0, 7.5, 10.0, 12.5, 15.0

DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/6/12
BORING COMPLETED: 6/6/12
TOTAL DEPTH: 13.2 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
No soil samples collected.

BORING LOG - HART HICKMAN.GDT - 10/16/12 16:21 - C:\DOCUMENTS AND SETTINGS\TDESA\DESKTOP\FOR NATHAN.GPJ

BORING NUMBER MW-11 / BG-6

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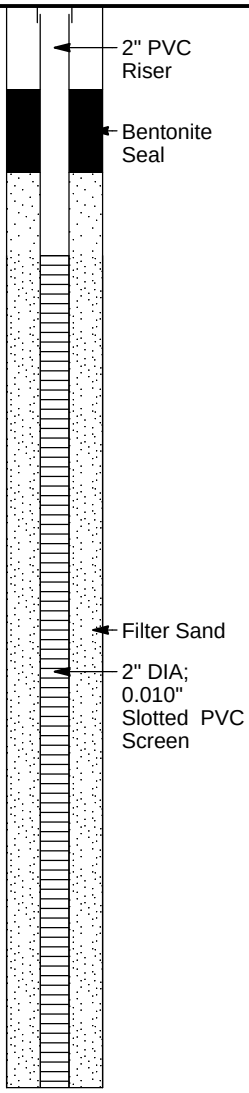
PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION
0.0						Moist, dark brown, SILT
2.5						Moist to wet, orange and gray, mottled CLAY
5.0						
7.5						
10.0						
12.5						
						Bottom of borehole at 13.0 feet.
15.0						

BORING DIAGRAM



DEPTH (ft): 0.0, 2.5, 5.0, 7.5, 10.0, 12.5, 15.0

DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/6/12
BORING COMPLETED: 6/6/12
TOTAL DEPTH: 13 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:

Soil samples collected from 4 to 5 ft bgs and 6 to 7 ft bgs.

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BORING NUMBER MW-8

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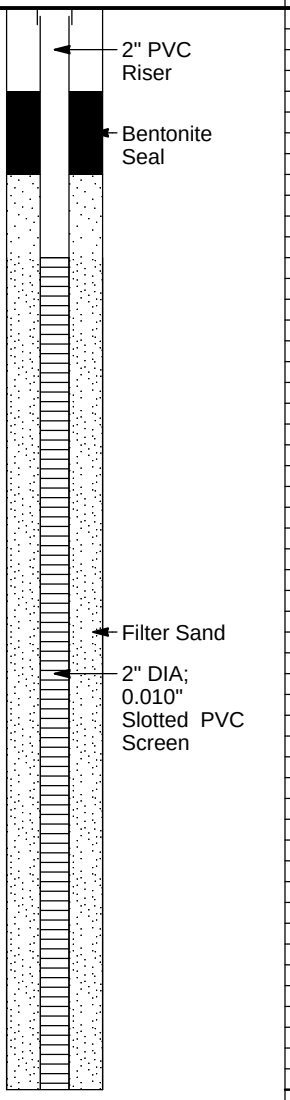
PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION
0.0						Moist to wet, dark brown, SILT
						Wet, gray, fine sandy SILT
7.5						Moist to wet, orange and gray, moltted CLAY
12.5						Bottom of borehole at 13.0 feet.
15.0						

BORING DIAGRAM



DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/5/12
BORING COMPLETED: 6/5/12
TOTAL DEPTH: 13 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
No soil samples collected.

BORING LOG - HART HICKMAN.GDT - 10/16/12 16:21 - C:\DOCUMENTS AND SETTINGS\TDESAI\DESKTOP\FOR NATHAN.GPJ

BORING NUMBER MW-9 / BG-5

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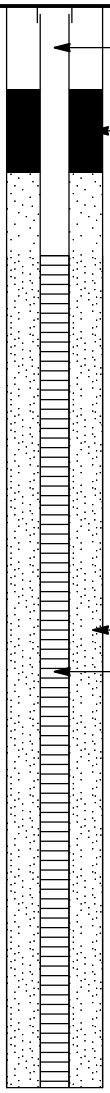
PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION
0.0						Moist to wet, dark brown, SILT
						Wet, gray, fine sandy SILT
7.5						Moist to wet, orange and gray, mottled CLAY
12.5						Bottom of borehole at 13.0 feet.
15.0						

BORING DIAGRAM



DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/6/12
BORING COMPLETED: 6/6/12
TOTAL DEPTH: 13 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:

Soil samples collected from 4 to 5 ft bgs and 6 to 7 ft bgs.

BORING LOG - HART HICKMAN.GDT - 10/16/12 16:21 - C:\DOCUMENTS AND SETTINGS\TDESAI\DESKTOP\FOR NATHAN.GPJ

BORING NUMBER SB-1

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PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						CONCRETE		0
						Wet, dark brown, SILT		
1								1
						Bottom of borehole at 1.5 feet.		
2								2

DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/5/12
BORING COMPLETED: 6/5/12
TOTAL DEPTH: 1.5 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:

Soil sample collected from 0.5 to 1.5 ft bgs.

BORING NUMBER SB-2

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PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						CONCRETE		0
						Dry, tan, SAND (backfill)		
1						Moist to wet, dark brown, SILT		1
2						Bottom of borehole at 2.0 feet.		2

DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/5/12
BORING COMPLETED: 6/5/12
TOTAL DEPTH: 2 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Soil sample collected from 1 to 2 ft bgs.

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BORING NUMBER SB-3

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PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						CONCRETE		0
						Dry, tan, SAND (backfill)		
1						Moist to wet, dark brown, SILT		1
2						Bottom of borehole at 2.0 feet.		2

DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/5/12
BORING COMPLETED: 6/5/12
TOTAL DEPTH: 2 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Soil sample collected from 1 to 2 ft bgs.

BORING LOG - HART HICKMAN.GDT - 10/16/12 16:21 - C:\DOCUMENTS AND SETTINGS\TDESA\DESKTOP\FOR NATHAN.GPJ

BORING NUMBER SB-4

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PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						CONCRETE		0
						Dry, tan, SAND (backfill)		
1						Moist to wet, dark brown, SILT		1
2						Bottom of borehole at 2.0 feet.		2

DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/5/12
BORING COMPLETED: 6/5/12
TOTAL DEPTH: 2 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Soil sample collected from 1 to 2 ft bgs.

BORING NUMBER SB-5

hart hickman
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Raleigh, North Carolina 27607
919-847-4241(p) 919-847-4261(f)

PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						Moist to wet, dark brown, sandy SILT		0
1								1
2						Bottom of borehole at 2.0 feet.		2

DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/5/12
BORING COMPLETED: 6/5/12
TOTAL DEPTH: 2 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Soil sample collected from 1 to 2 ft bgs.

BORING LOG - HART HICKMAN.GDT - 10/16/12 16:21 - C:\DOCUMENTS AND SETTINGS\TDESA\DESKTOP\FOR NATHAN.GPJ

BORING NUMBER SB-6

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919-847-4241(p) 919-847-4261(f)

PROJECT: Prestige Labels
JOB NUMBER: HEY-002
LOCATION: Burgaw, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	PID (ppm) BKG.	PID (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						ASPHALT		0
						GRAVEL		
1						Moist to wet, orange, silty SAND		1
2						Bottom of borehole at 2.0 feet.		2

DRILLING CONTRACTOR: Troxler Geologic
DRILL RIG/ METHOD: Geoprobe
SAMPLING METHOD: DPT Sleeves
LOGGED BY: SJV
DRAWN BY: TCD

BORING STARTED: 6/5/12
BORING COMPLETED: 6/5/12
TOTAL DEPTH: 2 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Soil sample collected from 1 to 2 ft bgs.

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