*56FRBCERCLASF10,640*

*56FRBCERCLASF10,640*

| | |
|---|---|
| Site Name: | VCC-WINSTON-SALEM |
| Subsite: | |
| Site Name: *Do not enter text.* | NCN000410344 |
| Full Site Name (Subject): *Do not enter text.* | VCC-WINSTON-SALEM |
| Document Type: | SUPPORTING PLANS AND DOCUMENTS (SPD) |
| Description: | Additional Assessment & Soil Capping Activities Report |
| Report Segment: | |
| Date of Document: | 2/9/2011 |
| Date Received: | |
| Box: *Enter SF and # with no spaces.* | SF10,640 |
| Access Level: | PUBLIC |
| Division: | WASTE MANAGEMENT |
| Section: | SUPERFUND |
| Program (Document Group): | FRB CERCLA (FRBCERCLA) |
| Document Category: | FACILITY |

Print Report for Record | Go to New Blank Record | Go to New Record - (default to last record values) | Delete Record

STATE OF NORTH CAROLINA
# DEPARTMENT OF TRANSPORTATION

RECEIVED
FEB 18 2011
SUPERFUND SECTION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

February 17, 2011

David Mattison
Environmental Engineer
North Carolina Department of Environment and Natural Resources
Division of Waste Management- Superfund Section
1646 Mail Service Center
Raleigh, NC 27699-1646

**Subject**: NCDOT Bridge Replace Project on US 52 at Liberty Street in Winston Salem, Forsyth County Revised Additional Assessment and Soil Capping Activities Report, NCDOT Parcel 11, Waste Management Property (Former Carolina Ore)

Dear Mr. Mattison:

Enclosed for your file is a copy of the "Revised Additional Assessment and Soil Capping Activities" report prepared by Hart and Hickman which details the soil sampling, concrete removal, and protective soil cover placed over the contaminated material found during construction of the US 52 bridge replacement project on the above referenced property. If you have any questions or comments regarding this work, please contact me.

Sincerely,

Cyrus F. Parker, LG, PE
NC Department of Transportation
GeoEnvironmental Supervisor
Geotechnical Engineering Unit

**MAILING ADDRESS:**
NC DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL ENGINEERING UNIT
GEOENVIRONMENTAL SECTION
1589 MAIL SERVICE CENTER
RALEIGH NC 27699-1589

TELEPHONE: 919-250-4088
FAX: 919-250-4237

www.ncdot.gov/doh/preconstruct/highway/geotech

**LOCATION:**
CENTURY CENTER COMPLEX
BUILDING B
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

RECEIVED
FEB 14 2011
NCDOT - Geotechnical Engineering

RECEIVED
FEB 18 2011
SUPERFUND SECTION

# Additional Assessment and Soil Capping Activities Report

## Former Carolina Ore

## Forsyth County
## Winston-Salem, North Carolina

## H&H Job No. ROW-310
## State Project U-2826A
## WBS Element: 34871.1.1

## February 9, 2011

Hart & Hickman

2923 South Tryon Street
Suite 100
Charlotte, NC 28203
704-586-0007

3334 Hillsborough Street
Raleigh, NC 27607
919-847-4241

#C-1269 Engineering
#C-245 Geology

Hart & Hickman
ENVIRONMENTAL CONSULTANTS
OUR CLIENTS DEMAND A SMARTER SOLUTION

Hart & Hickman, PC
2923 South Tryon Street
Suite 100 Charlotte, NC
28203-5449

704-586-0007 phone
704-586-0373 fax
www.harthickman.com

**Via FTS and 2nd Day Federal Express**

February 9, 2011

NC Department of Transportation
Geotechnical Unit
Geoenvironmental Section
1589 Mail Service Center
Raleigh, NC 27699-1589

Attention: Mr. Cyrus Parker, LG and PE

Re: Additional Assessment and Soil Capping Activities (Parcel 9)
Former Carolina Ore
TIP: U-2826A
WBS: 34871.1.1
Winston-Salem, Forsyth County, North Carolina
H&H Job No. ROW-310

Dear Cyrus:

## 1.0 Introduction

Hart & Hickman, PC (H&H) has prepared this revised letter report documenting additional soil sampling and impacted soil capping activities recently conducted near the Carolina Ore ruins on the OmniSource Southeast property (former Atlantic Scrap & Processing, LLC) located adjacent to Highway 52 in Winston-Salem, Forsyth County, North Carolina. The OmniSource Southeast property (Forsyth County Parcel ID #6836-59-0413) is designated as Parcel 9 by the North Carolina Department of Transportation (DOT). A site location map is included as Figure 1 and a site map is included as Figure 2. Additional assessment and soil capping activities were conducted on behalf of the DOT in accordance with discussions between H&H and DOT and H&H's August 26, 2010 proposal. A brief background for this project is discussed below.

Arsenic and lead impacted soil excavation activities associated with the former Virginia Carolina Chemical (VCC) property were recently completed by ENTACT on behalf of ExxonMobil on

Parcel 9 south of the Carolina Ore ruins. Arcadis provided oversight of remediation activities on behalf of ExxonMobil. During excavation activities, magenta colored soils, black ash/cinders, and slag material were identified in soils near the Carolina Ore ruins. Because these soils were reportedly identified outside of the VCC area, additional excavation was not conducted by ENTACT near the Carolina Ore ruins. During ENTACT excavation activities, concrete foundations were also uncovered to the south and near the pre-existing above ground Carolina Ore ruins. Impacted soil areas excavated by ENTACT near the Carolina Ore ruins are shown on Figures 2 and 3.

H&H recently completed soil sampling, clearing, and impacted soil capping activities near the former Carolina Ore ruins. Analytical results of soil samples recently collected near the Carolina Ore ruins indicate there are concentrations of total metals, including arsenic and lead, and dioxins and furans above the North Carolina Department of Environment and Natural Resources (DENR) Inactive Hazardous Sites Branch (IHSB) target screening levels. Based on TCLP analytical results, the impacted soils do not exceed RCRA characteristically hazardous waste thresholds. DOT recently completed construction of a fill slope near the impacted soil area as part of road improvement activities along Highway 52. Because DOT chose not to remove the impacted soil, recent field activities at the site conducted by H&H included removal of a portion of the Carolina Ore concrete ruins; removal of vegetation remaining in the proposed DOT work areas; and placing clean fill over the impacted soil area to protect construction workers during on-going road improvement activities and during construction of the fill slope near the former Carolina Ore ruins.

DENR has expressed a concern to DOT regarding removing or filling over impacted soils that are above the DENR Inactive Hazardous Sites Branch (IHSB) site specific Health-Based Soil Remediation Goals (SRGs) and/or protection of ground water (POG) SRGs. DOT responded to those concerns in a letter dated August 24, 2010 stating that they were going to put a fill slope over the former Carolina Ore area. The soil sampling, clearing, and soil capping activities conducted by H&H as directed by DOT are discussed below.

## 2.0 Soil Sampling Activities

H&H mobilized to Parcel 9 on July 26, 2010 to collect representative soil samples from the impacted soil area near the Carolina Ore Ruins. Soil borings CO-1 through CO-3 were advanced using a stainless steel hand auger to the north of the Carolina Ore Ruins. Soil samples were collected at a depth of 0 to 0.5 ft and 1.5-2 ft from each boring location. Soil sample locations are shown on Figure 2. During soil sampling, soil from each boring was screened continuously for the presence of volatile organic compounds (VOCs) with a photo ionization detector (PID). Additionally, H&H observed the soil for visual and olfactory indications of impacts. There were no field indications of impacts in the soil borings based on PID readings; however, a black ash/cinder material was identified in the surface soils at each soil boring location. Soil boring logs are included in Appendix A.

After the soil samples were collected, the samples were placed into laboratory supplied bottles, properly labeled, placed in a cooler with ice, and sent to Prism Laboratories, Inc. under standard chain-of-custody protocol for laboratory analysis. Soil samples were analyzed for cyanide using EPA Method 9014, organochlorine pesticides using EPA Method 8081B, herbicides using EPA Method 8151A, polychlorinated biphenyls (PCBs) using EPA Method 8082A, volatile organic compounds (VOCs) using EPA method 8260B, semi-VOCs using EPA Method 8270D, total metals using EPA Method 6010C/7471B, and TCLP RCRA Metals using 6010C/7470A. The laboratory analytical report is included in Appendix B.

Analytical Results

Target analytes were detected in the six soil samples collected near the former Carolina Ore ruins. A concentration of methylchlorophenoxypropionic acid (MCPP) (herbicide) (6.07 mg/kg) was detected in soil sample CO-3 (0 to 0.5 ft) below the health-based SRG. Concentrations of 2-methylnaphthalene (0.41 mg/kg), chrysene (0.41 mg/kg), phenanthrene (0.51 mg/kg), and pyrene (0.45 mg/kg) were detected in soil sample CO-3 (0-0.5 ft) below IHSB target levels.

Concentrations of acetone (ranging from 0.055 mg/kg to 0.12 mg/kg) were also detected in soil samples CO-1 (0-0.5 ft), CO-1 (1.5-2.0 ft), and CO-2 (0-0.5 ft) below IHSB target levels.

Concentrations of metals were detected in each of the six soil samples collected at the site. For example, concentrations of arsenic (ranging from 88 mg/kg to 680 mg/kg) were detected in shallow soil samples CO-1 (0 - 0.5 ft), CO-2 (0 – 0.5 ft), and CO-3 (0 – 0.5 ft). These concentrations are above the site specific health-based SRG and the POGSRG. Low level concentrations of arsenic (7.3 mg/kg and 9.0 mg/kg) were detected in soil samples CO-1 (1.5 – 2.0 ft) and CO-2 (1.5 – 2.0 ft). These concentrations are slightly above the POGSRG. Concentrations of lead (ranging from 740 mg/kg to 1,700 mg/kg) were detected in shallow soil samples CO-1 (0 - 0.5 ft), CO-2 (0 – 0.5 ft), and CO-3 (0 – 0.5 ft). These concentrations are above the health-based SRG and the POGSRG. In addition to these metals, concentrations of aluminum, mercury, antimony, barium, cadmium, chromium, cobalt, copper, iron, manganese, silver, thallium, vanadium, and zinc were detected in soil samples (CO-1 0 - 0.5 ft, CO-1 1.5 – 2.0 ft, CO-2 0 – 0.5 ft, CO-2 1.5 – 2.0 ft, CO-3 0 – 0.5 ft, and/or CO-3 1.5 – 2.0 ft) above the health-based SRG's and/or the POGSRG's. Certain metals may be naturally occurring.

TCLP RCRA metals were not detected above RCRA characteristic levels in the six soil samples collected at the site. Low level concentrations arsenic (0.15 mg/L and 0.026 mg/L) were detected in soil samples CO-1 (0 – 0.5 ft) and CO-2 (0 – 0.5 ft), respectively. Concentrations of barium (ranging from 0.16 mg/L to 0.89 mg/L), cadmium (ranging from 0.0015 mg/L to 0.054 mg/L), and lead (ranging from 0.056 mg/L to 0.43 mg/L) were detected in each of the six soil samples collected at the site. Low level concentrations of mercury (0.00097 mg/L) and silver (0.012 mg/L) were detected in soil sample CO-3 (1.5 – 2.0 ft). The analytical results discussed above are presented in Table 1.

Low level concentrations of dioxins and furans were detected in each of the six soil samples collected at the site. Concentrations were summed into single values using The 2005 World Health Organization Re-evaluation of Human and Mammalian Toxic Equivalency Factors

(TEFs) for Dioxins and Dioxin-like Compounds. TEFs are order of magnitude estimates which relate the toxicity of each cogener to the most toxic cogener, 2,3,7,8-tetrachlorodibenozo-p-dioxin (2,3,7,8-TCDD). The TEFs enable summation of dioxins and furans to produce a single number to compare with soil screening criteria. Total 2,3,7,8-TCDD equivalents (ranging from $1.55 \times 10^{-3}$ to $8.44 \times 10^{-3}$ µg/kg) detected in soil samples CO-1 (0 - 0.5 ft), CO-1 (1.5 – 2.0 ft), CO-2 (0 – 0.5 ft), CO-3 (0 – 0.5 ft), and CO-3 (1.5 – 2.0 ft) exceed the POGSRG. No total 2,3,7,8-TCDD equivalents reported for soil samples collected at the site exceeded the health-based SRG. Dioxin and furan analytical results are presented in Table 2.

## 3.0 Vegetation Clearing, Concrete Removal, and Soil Capping

On September 1 through 9, 2010, H&H mobilized to the site to oversee vegetation clearing, concrete removal, and impacted soil capping in the impacted soil area near the Carolina Ore ruins. The extent of the impacted soil was defined by the DOT construction zone (i.e. right of way and clearing limits) and the observed presence of magenta colored soils, black ash/cinders, and/or slag material within the DOT construction areas described below. H&H contracted with EVO Corporation of Winston-Salem, North Carolina to conduct the vegetation clearing, concrete removal, and impacted soil capping.

Prior to removing a portion of the concrete ruins and placing backfill over the impacted soil area, vegetation including brush and trees were cleared and removed. Vegetation was cleared near the above ground Carolina Ore ruins and between the temporary construction road located to the east of Highway 52 and the white and blue flagged clearing stakes (from approximate -L- Station 50+50 to 52+50). Larger trees were cut approximately two to three inches above grade using a chain saw. The stumps of the trees were left in place. Small trees and brush were pulled from the ground using a backhoe. Because small trees and brush that were pulled from the ground likely had impacted soil attached their root systems and due to the potential presence of low level metals from uptake in the brush and trees, vegetation was disposed at a permitted facility. In addition, because magenta colored soil and slag material were identified in the root balls of

stumps and debris previously cleared from the area by DOT's contractor, the debris, which was piled between the construction road and Highway 52, was also removed and disposed at a permitted facility. Approximately 74.39 tons of vegetation debris was removed from the site and properly disposed at the Hanes Landfill in Winston-Salem. The certificate of disposal and non-hazardous waste manifests for removed vegetation are included in Appendix C. The approximate location of the cleared vegetation area is shown on Figure 3.

After removal of the vegetation from the impacted soil area, a portion of the concrete ruins were required to be removed prior to construction of the proposed slope. The concrete ruins in the right of way up to the white and blue flagged clearing stakes were broken up and removed using a trackhoe mounted concrete breaker. The concrete ruins inside the clearing limits were removed to approximately 2 feet below the proposed slope grade as approved by DOT. At the request of the property owner, OmniSource Southeast (former Atlantic Scrap & Processing, LLC), the ruins located out side of the clearing limits and right of way were also broken up and removed. A portion of the concrete foundations were left in place with DOT's approval. Six loads of clean concrete were properly disposed at the Hanes Landfill in Winston-Salem, NC. Because Hanes Landfill would not accept a small portion of the concrete that was slightly stained with a dry black colored material, 16.79 tons of concrete were disposed at Uwharrie Environmental Landfill in Mt. Gilead, NC. The certificates of disposal and non-hazardous waste manifests for removed concrete are included in Appendix D.

Upon completion of clearing of vegetation and concrete removal, EVO, the environmental contractor, placed approximately one foot of clean imported fill over the impacted soil and the remaining concrete ruins. NC DOT's contractor then provided fill work above the one foot of cover soil. Gravel (#57 stone) was used to fill a pit located in the center of the concrete ruins. Prior to filling, orange barrier safety fencing was placed on top of the impacted soil as a visual indicator to demark the location of the impacted soil. The clean fill soil was then spread on top of the orange barrier fencing to a depth of approximately one foot above existing grade and compacted using a Ramex compaction device. At the direction of DOT, no geotechnical testing

was conducted. The fill material was placed above the impacted soil; above the remaining Carolina Ore ruins; and between the white and blue flagged clearing stakes and the temporary construction road located to the east of Highway 52 (from approximate -L- Station 50+00 to 52+50). Because DOT's contractor was planning to build a temporary construction road near the eastern portion of the Carolina Ore ruins, orange fencing and fill material were also placed over a small area of impacted soil located outside of the clearing stakes and the right of way in this area. The approximate location of the impacted soil capping area is shown on Figure 3.

Two other areas of exposed black ash and magenta colored soil were also covered including 1. an existing mound of black and magenta soil exposed to the north of the ruins and abutting the DOT access road and 2. a black soil layer in the pre-existing Highway 52 fill slope south of the Carolina Ore ruins and below Highway 52 (Figure 3). Orange fencing and fill material were placed over the exposed impacted soil located to the north of the ruins. H&H used metal landscaping stakes to place a layer of plastic and orange safety fencing as a visual indicator to demark the location of the exposed layer in the fill slope. This area was later filled with clean soil by DOT's contractor.

The capped impacted soil area shown on Figure 3 was mapped based on field measurements taken by H&H of the presence of surface black ash/cinders, magenta colored soils, and slag material. Field measurements were tied into DOT surveyed slope stakes that were located at the toe of the proposed fill slope. Slope stakes were marked with corresponding DOT survey line -L- Station designations. As-Built plans depicting the location of the capped impacted soil area will be created by DOT once construction is completed on the eastern side of Highway 52.

On October 8, 2010, after construction the slope in the impacted soil area was completed by DOT, H&H installed five metal signs (at approximate 50 ft intervals) along the toe of the slope that read "Do Not Dig – Contaminated Soil Below (Questions? Call NC DOT District Engineer at 336-761-5995)". The signs are attached to eight-foot galvanized u-channel sign posts and were installed to a depth of two feet below ground surface with post-hole diggers. The posts

were secured in the ground with concrete. Three additional signs will also be attached to the proposed right of way fence (after the fence has been installed) near the impacted soil area. Soil generated during the installation of the signs was containerized in a 55-gallon drum and was properly disposed as a non-hazardous waste (based on prior analytical data) at EVO's treatment and disposal facility in Winston-Salem, NC. A copy of the certificate of disposal and non-hazardous materials manifest is included in Appendix E. Photographs documenting soil capping activities are included in Appendix F.

## 4.0 Summary

H&H has completed impacted soil capping activities near the Carolina Ore Ruins in the NC DOT right of way on Parcel 9. Analytical results of soil samples collected near the Carolina Ore ruins indicate concentrations of arsenic, lead, dioxins and furans, and other metals in soil above the IHSB health-based SRG's and/or POGSRG's.

Clearing of vegetation, removal of a portion of the concrete ruins and potentially impacted vegetation, and impacted soil capping were recently completed in the impacted soil area near the Carolina Ore ruins on Parcel 9 prior to construction of the fill slope along Highway 52 in this area. Vegetation in the impacted soil area near the Carolina Ore ruins and a portion of the concrete Carolina Ore ruins were removed from the site for disposal at permitted disposal facilities.

Prior to impacted soil capping, orange barrier safety fencing was placed on top of the impacted soil as a visual indicator to demark the location of the impacted soil. Impacted soil was initially capped with H&H present by an environmental contractor. Approximately one foot of clean fill was placed over proposed DOT work areas. The fill material was placed above the impacted soil; above the remaining Carolina Ore ruins; and between the white and blue flagged clearing stakes and the temporary construction road located to the east of Highway 52 (from approximate -L- Station 50+00 to 52+50). Additional fill material was also placed over a small area of

impacted soil located outside of the clearing stakes and the right of way near the eastern portion of the Carolina Ore Ruins. The slope was then built up by NC DOT's contractor. Impacted soil should not be encountered in this area during above grade construction activities. However, if subsurface construction activities are conducted in this area, impacted soil should be properly managed and disposed at a permitted facility.

Should you have any questions or need additional information, please do not hesitate to contact us at (704) 586-0007.

Sincerely,
***Hart & Hickman, PC***

David Graham
Senior Project Geologist

Matt Bramblett, PE
Principal and Project Manager

Attachments

TABLES

**Table 1**
**Soil Analytical Detections**
**WBS Element 34871.1.1 (Former Carolina Ore)**
**Winston-Salem, North Carolina**
**H&H Job No.ROW-310**

| | Former Carolina Ore Area | | | | | | Screening Criteria | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | CO-1 | | CO-2 | | CO-3 | | IHSB Health Based SRG[1] | IHSB POG SRG[2] | EPA Screening Level[3] | RCRA Characteristic Level |
| Depth (feet) | 0-0.5 | 1.5-2.0 | 0-0.5 | 1.5-2.0 | 0-0.5 | 1.5-2.0 | | | | |
| Date | 7/26/2010 | 7/26/2010 | 7/26/2010 | 7/26/2010 | 7/26/2010 | 7/26/2010 | | | | |
| **Organochlorine Pesticides (8081B) mg/kg** | BRL | BRL | BRL | BRL | BRL | BRL | -- | -- | -- | -- |
| **Herbicides (8151A) mg/kg** | | | | | | | | | | |
| Methylchlorophenoxypropionic acid (MCPP) | <4.45 | <0.481 | <0.438 | <0.453 | 6.07 | <0.453 | 12 | NS | NS | -- |
| **Polychlorinated Biphenyls (PCBs) (8082A) mg/kg** | BRL | BRL | BRL | BRL | BRL | BRL | 1.0 | 0.14 | NS | -- |
| **Semivolatile Organic Compounds (8270D) mg/kg** | | | | | | | | | | |
| 2-Methylnaphthalene | <0.37 | <0.35 | <0.38 | <0.41 | 0.41 | <0.39 | 63 | 1.6 | NS | -- |
| Chrysene | <0.37 | <0.35 | <0.38 | <0.41 | 0.41 | <0.39 | 15 | 18 | NS | -- |
| Phenanthrene | <0.37 | <0.35 | <0.38 | <0.41 | 0.51 | <0.39 | NS | 57 | NS | -- |
| Pyrene | <0.37 | <0.35 | <0.38 | <0.41 | 0.45 | <0.39 | 340 | 220 | NS | -- |
| **Volatile Organic Compounds (8260B) mg/kg** | | | | | | | | | | |
| Acetone | 0.083 | 0.055 | 0.12 | <0.06 | <0.054 | <0.055 | 12,000 | 24 | NS | -- |
| **Total Metals (6010C/7471B) mg/kg** | | | | | | | | | | -- |
| Aluminum | 4,200 | **42,000** | **17,000** | **73,000** | 15,000 | **48,000** | 15,000 | NS | NS | -- |
| Mercury | 0.11 | 0.095 | 0.21 | 0.14 | **1.2** | 0.072 | 1.1 | NS | NS | -- |
| Antimony | 6.3 | 0.38 | 6.2 | 0.28 | 9.6 | 0.34 | 6.3 | 0.9 | NS | -- |
| Arsenic | 88 | 7.3 | 94 | 9.0 | 680 | 5.8 | 22[4] | 5.8[5] | 27 | -- |
| Barium | 830 | 64 | 480 | 32 | 510 | 41 | 3,100 | 580 | NS | -- |
| Beryllium | <0.28 | 0.65 | 0.39 | 0.86 | 0.48 | 0.66 | 31 | NS | NS | -- |
| Cadmium | 14 | 2.2 | 4 | 1.5 | 11 | 1.0 | 14 | 3 | NS | -- |
| Calcium | 930 | 1,300 | 1,500 | 640 | 1,800 | 240 | NS | NS | NS | -- |
| Chromium | <0.28 | 16 | 11 | 32 | 4.9 | 15 | 0.29[6] | 3.8[6] | NS | -- |
| Cobalt | 55 | 4.5 | 12 | 2.1 | 19 | 2.0 | 4.7 | 0.9 | NS | -- |
| Copper | 5,500 | 200 | 940 | 540 | 1,700 | 110 | 630 | 700 | NS | -- |
| Iron | 260,000 | 28,000 | 61,000 | 46,000 | 110,000 | 29,000 | 11,000 | 150 | NS | -- |
| Lead | 740 | 97 | 870 | 42 | 1,700 | 44 | 400 | 270 | 895 | -- |
| Magnesium | 2,700 | 580 | 590 | 620 | 770 | 480 | NS | NS | NS | -- |
| Manganese | 94 | 100 | 110 | 42 | 97 | 46 | 360 | 65 | NS | -- |
| Nickel | 3.1 | 6.1 | 4.9 | 6.1 | 4.1 | 4.2 | 300 | 130 | NS | -- |
| Potassium | 380 | 1,000 | 570 | 1,200 | 1,100 | 1,000 | NS | NS | NS | -- |
| Silver | 1.1 | <0.27 | 1.9 | <0.31 | 5.7 | <0.3 | 78 | 3.4 | NS | -- |
| Sodium | 71 | 36 | 58 | 34 | 490 | 27 | NS | NS | NS | -- |
| Thallium | <0.56 | <0.54 | <0.57 | <0.62 | 8.4 | <0.6 | 1.0 | 0.28 | NS | -- |
| Vanadium | 13 | 30 | 16 | 57 | 16 | 29 | 79 | 6.0 | NS | -- |
| Zinc | 5,400 | 520 | 1,600 | 310 | 2,900 | 97 | 4,600 | 1,200 | NS | -- |
| **TCLP RCRA Metals (6010C/7470A) mg/L** | | | | | | | | | | |
| Mercury | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | 0.00097 | NS | NS | NS | 0.2 |
| Arsenic | 0.15 | <0.01 | 0.026 | <0.01 | <0.01 | <0.01 | NS | NS | NS | 5.0 |
| Barium | 0.89 | 0.30 | 0.88 | 0.17 | 0.31 | 0.16 | NS | NS | NS | 100.0 |
| Cadmium | 0.018 | 0.023 | 0.015 | 0.012 | 0.054 | 0.0015 | NS | NS | NS | 1.0 |
| Lead | 0.27 | 0.059 | 0.15 | 0.056 | 0.43 | 0.11 | NS | NS | NS | 5.0 |
| Silver | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.012 | NS | NS | NS | 5.0 |

Notes:
Only those compounds detected in at least one sample are shown above
1) NC DENR Inactive Hazardous Sites Branch (IHSB) Health Based Soil Remediation Goals (SRGs) - October 2010
2) NC DENR Inactive Hazardous Sites Branch Protection of Groundwater (POG) Soil Remediation Goals - October 2010
3) EPA screening level for industrial site use developed for Virginia Carolina Chemical (VCC) site
4) 22 mg/kg is the site specific SRG. The IHSB default value is 4.4 mg/kg.
5) 5.8 mg/kg is IHSB POG SRG; however, 26.2 mg/kg was the approved remediation goal in the ExxonMobile work plan which was approved prior to the October 2010 IHSB updates.
6) Based on chromium (VI) standard
**Bold** indicates concentration exceeds IHSB SRG
*Underline* indicates concentration exceeds IHSB POG
Certain metals are naturally occurring.
EPA Method number follows parameter in parenthesis
NS = screening criteria not specified; -- = Not Applicable; BRL = below laboratory reporting limits
mg/kg = milligrams per kilogram

**Table 2 (Page 1 of 2)**
**Soil Analytical Detections (Dioxins and Furans)**
**WBS Element 34871.1.1 (Former Carolina Ore)**
**Winston-Salem, North Carolina**
**H&H Job No. ROW-310**

| Sample ID | CO-1 | | | CO-1 | | | CO-2 | | | CO-2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | 0-0.5 | | | 1.5-2.0 | | | 0-0.5 | | | 1.5-2.0 | | |
| Date Collected | 7/26/2010 | | | 7/26/2010 | | | 7/26/2010 | | | 7/26/2010 | | |
| ***Dioxins (8290)*** | Concentration (µg/kg) | WHO 2005 TEF [1] | TEF-Adjusted Concentration (µg/kg) | Concentration (µg/kg) | WHO 2005 TEF [1] | TEF-Adjusted Concentration (µg/kg) | Concentration (µg/kg) | WHO 2005 TEF [1] | TEF-Adjusted Concentration (µg/kg) | Concentration (µg/kg) | WHO 2005 TEF [1] | TEF-Adjusted Concentration (µg/kg) |
| 2,3,7,8-TCDD | <4.17E-04 | 1.0 | <4.17E-04 | <1.31E-04 | 1.0 | <1.31E-04 | 2.70E-04 J | 1.0 | 2.70E-04 | <8.12E-05 | 1.0 | <8.12E-05 |
| 1,2,3,7,8-PeCDD | <5.94E-04 | 1.0 | <5.94E-04 | 3.09E-04 J K | 1.0 | 3.09E-04 | 3.19E-03 J | 1.0 | 3.19E-03 | 1.53E-04 J K | 1.0 | 1.53E-04 |
| 1,2,3,4,7,8-HxCDD | 5.85E-04 J | 0.1 | 5.85E-05 | 2.44E-04 J K | 0.1 | 2.44E-05 | 5.54E-03 | 0.1 | 5.54E-04 | 1.76E-04 J K | 0.1 | 1.76E-05 |
| 1,2,3,6,7,8-HxCDD | 1.06E-03 J | 0.1 | 1.06E-04 | 5.59E-04 J | 0.1 | 5.59E-05 | 5.49E-03 | 0.1 | 5.49E-04 | 2.58E-04 J | 0.1 | 2.58E-05 |
| 1,2,3,7,8,9-HxCDD | 1.00E-03 J K | 0.1 | 1.00E-04 | 4.71E-04 J K | 0.1 | 4.71E-05 | 3.79E-03 J | 0.1 | 3.79E-04 | 2.44E-04 J | 0.1 | 2.44E-05 |
| 1,2,3,4,6,7,8-HpCDD | 1.12E-02 J | 0.01 | 1.12E-04 | 1.61E-02 | 0.01 | 1.61E-04 | 4.65E-02 | 0.01 | 4.65E-04 | 5.42E-03 | 0.01 | 5.42E-05 |
| OCDD | 1.02E-01 | 0.0003 | 3.06E-05 | 1.57E+00 | 0.0003 | 4.71E-04 | 7.57E-01 | 0.0003 | 2.27E-04 | 4.18E-01 | 0.0003 | 1.25E-04 |
| ***Furans (8290)*** | | | | | | | | | | | | |
| 2,3,7,8-TCDF | 1.68E-03 J K | 0.1 | 1.68E-04 | 9.54E-04 | 0.1 | 9.54E-05 | 1.82E-03 K | 0.1 | 1.82E-04 | 5.25E-04 J | 0.1 | 5.25E-05 |
| 1,2,3,7,8-PeCDF | 1.39E-03 J | 0.03 | 4.17E-05 | 7.45E-04 J | 0.03 | 2.24E-05 | 2.32E-03 J | 0.03 | 6.96E-05 | 2.02E-04 J | 0.03 | 6.06E-06 |
| 2,3,4,7,8-PeCDF | 2.07E-03 J K | 0.3 | 6.21E-04 | 5.09E-04 J | 0.3 | 1.53E-04 | 3.20E-03 J | 0.3 | 9.60E-04 | 1.82E-04 J | 0.3 | 5.46E-05 |
| 1,2,3,4,7,8-HxCDF | 1.43E-03 J K | 0.1 | 1.43E-04 | 6.52E-04 J | 0.1 | 6.52E-05 | 4.79E-03 J | 0.1 | 4.79E-04 | 1.90E-04 J K | 0.1 | 1.90E-05 |
| 1,2,3,6,7,8-HxCDF | 1.22E-03 J | 0.1 | 1.22E-04 | 3.97E-04 J | 0.1 | 3.97E-05 | 3.40E-03 J | 0.1 | 3.40E-04 | 1.21E-04 J | 0.1 | 1.21E-05 |
| 1,2,3,7,8,9-HxCDF | <6.07E-04 | 0.1 | <6.07E-05 | 1.66E-04 J | 0.1 | 1.66E-05 | 8.40E-04 J | 0.1 | 8.40E-05 | <1.26E-04 | 0.1 | <1.26E-05 |
| 2,3,4,6,7,8-HxCDF | 1.45E-03 J K | 0.1 | 1.45E-04 | 5.98E-04 J | 0.1 | 5.98E-05 | 3.23E-03 J | 0.1 | 3.23E-04 | 1.27E-04 J K | 0.1 | 1.27E-05 |
| 1,2,3,4,6,7,8-HpCDF | 5.99E-03 J | 0.01 | 5.99E-05 | 2.56E-03 J | 0.01 | 2.56E-05 | 3.56E-02 | 0.01 | 3.56E-04 | 1.15E-03 J | 0.01 | 1.15E-05 |
| 1,2,3,4,7,8,9-HpCDF | <5.94E-04 | 0.01 | <5.94E-06 | 1.92E-04 J | 0.01 | 1.92E-06 | 9.74E-04 J | 0.01 | 9.74E-06 | <1.14E-04 | 0.01 | <1.14E-06 |
| OCDF | 4.94E-03 J | 0.0003 | 1.48E-06 | 3.05E-03 J | 0.0003 | 9.15E-07 | 1.09E-02 | 0.0003 | 3.27E-06 | 1.39E-03 J | 0.0003 | 4.17E-07 |
| **2,3,7,8-TCDD Equivalence** | | | 0.000532 | | | **0.001168** | | | **0.008259** | | | 0.000367 |
| EMPC 2,3,7,8-TCDD Equivalence | | | **0.001177** | | | 0.000381 | | | 0.000182 | | | 0.000202 |
| Total 2,3,7,8-TCDD Equivalence with EMPCs | | | **0.001709** | | | **0.001549** | | | **0.008441** | | | 0.000569 |
| Inactive Hazardous Sites SRG [2] | | | 1.0 | | | 1.0 | | | 1.0 | | | 1.0 |
| Inactive Hazardous Sites POG [3] | | | 0.001 | | | 0.001 | | | 0.001 | | | 0.001 |

Notes:
(1) World Health Organization Toxicity Equivalency Factors (*The 2005 World Health Organization Re-Evaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds*)
(2) NC DENR Inactive Hazardous Sites Branch (IHSB) Soil Remediation Goals (SRGs) using Toxic Equivalent Factors for Dioxins and Furans - October 2010
(3) NC DENR Inactive Hazardous Sites Branch Protection of Groundwater (POG) Soil Remediation Goals using Toxic Equivalent Factors for Dioxins and Furans - October 2010
TEF = Toxicity Equivalency Factor
EMPC = Estimated maximum possible concentration.
J = Indicates estimated concentration between the method detection limit and the laboratory reporting limit.
K = Estimated maximum possible concentration
**Bold** indicates concentration exceeds IHSB POG

**Table 2 (Page 2 of 2)**
**Soil Analytical Detections (Dioxins and Furans)**
**WBS Element 34871.1.1 (Former Carolina Ore)**
**Winston-Salem, North Carolina**
**H&H Job No. ROW-310**

| Sample ID<br>Depth (ft)<br>Date Collected | CO-3<br>0-0.5<br>7/26/2010 | | | | CO-3<br>1.5-2.0<br>7/26/2010 | | | |
|---|---|---|---|---|---|---|---|---|
| ***Dioxins (8290)*** | Concentration (µg/kg) | | WHO 2005 TEF [1] | TEF-Adjusted Concentration (µg/kg) | Concentration (µg/kg) | | WHO 2005 TEF [1] | TEF-Adjusted Concentration (µg/kg) |
| 2,3,7,8-TCDD | <1.3E-04 | | 1.0 | <1.3E-04 | <7.13E-05 | | 1.0 | <7.13E-05 |
| 1,2,3,7,8-PeCDD | 7.91E-04 | J K | 1.0 | 7.91E-04 | 1.74E-04 | J | 1.0 | 1.74E-04 |
| 1,2,3,4,7,8-HxCDD | 4.38E-04 | J K | 0.1 | 4.38E-05 | 2.02E-04 | J | 0.1 | 2.02E-05 |
| 1,2,3,6,7,8-HxCDD | 9.55E-04 | J | 0.1 | 9.55E-05 | 3.37E-04 | J | 0.1 | 3.37E-05 |
| 1,2,3,7,8,9-HxCDD | 6.85E-04 | J | 0.1 | 6.85E-05 | 3.30E-04 | J | 0.1 | 3.30E-05 |
| 1,2,3,4,6,7,8-HpCDD | 1.14E-02 | | 0.01 | 1.14E-04 | 3.29E-02 | | 0.01 | 3.29E-04 |
| OCDD | 1.17E-01 | | 0.0003 | 3.51E-05 | 7.05E+00 | | 0.0003 | 2.12E-03 |
| ***Furans (8290)*** | | | | | | | | |
| 2,3,7,8-TCDF | 2.56E-03 | J | 0.1 | 2.56E-04 | 4.51E-04 | J | 0.1 | 4.51E-05 |
| 1,2,3,7,8-PeCDF | 8.71E-04 | J | 0.03 | 2.61E-05 | 2.01E-04 | J K | 0.03 | 6.03E-06 |
| 2,3,4,7,8-PeCDF | 1.90E-03 | J | 0.3 | 5.70E-04 | 1.93E-04 | J | 0.3 | 5.79E-05 |
| 1,2,3,4,7,8-HxCDF | 2.70E-03 | J | 0.1 | 2.70E-04 | 2.16E-04 | J | 0.1 | 2.16E-05 |
| 1,2,3,6,7,8-HxCDF | 1.03E-03 | J | 0.1 | 1.03E-04 | 1.68E-04 | J K | 0.1 | 1.68E-05 |
| 1,2,3,7,8,9-HxCDF | <3.76E-04 | | 0.1 | <3.76E-05 | <7.42E-05 | | 0.1 | <7.42E-06 |
| 2,3,4,6,7,8-HxCDF | 1.94E-03 | J | 0.1 | 1.94E-04 | 2.33E-04 | J | 0.1 | 2.33E-05 |
| 1,2,3,4,6,7,8-HpCDF | 6.47E-03 | | 0.01 | 6.47E-05 | 1.09E-03 | J | 0.01 | 1.09E-05 |
| 1,2,3,4,7,8,9-HpCDF | 4.62E-04 | J | 0.01 | 4.62E-06 | <7.44E-05 | | 0.01 | <7.44E-07 |
| OCDF | 4.34E-03 | J | 0.0003 | 1.30E-06 | 1.11E-03 | J | 0.0003 | 3.33E-07 |
| **2,3,7,8-TCDD Equivalence** | | | | **0.001803** | | | | **0.002864** |
| EMPC 2,3,7,8-TCDD Equivalence | | | | 0.000835 | | | | 0.000023 |
| Total 2,3,7,8-TCDD Equivalence with EMPCs | | | | **0.002638** | | | | **0.002887** |
| Inactive Hazardous Sites SRG [2] | | | | 1.0 | | | | 1.0 |
| Inactive Hazardous Sites POG [3] | | | | 0.001 | | | | 0.001 |

Notes:
(1) World Health Organization Toxicity Equivalency Factors (*The 2005 World Health Organization Re-Evaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds*)
(2) NC DENR Inactive Hazardous Sites Branch (IHSB) Soil Remediation Goals (SRGs) using Toxic Equivalent Factors for Dioxins and Furans - October 2010
(3) NC DENR Inactive Hazardous Sites Branch Protection of Groundwater (POG) Soil Remediation Goals using Toxic Equivalent Factors for Dioxins and Furans - October 2010
TEF = Toxicity Equivalency Factor
EMPC = Estimated maximum possible concentration.
J = Indicates estimated concentration between the method detection limit and the laboratory reporting limit.
K = Estimated maximum possible concentration
**Bold** indicates concentration exceeds IHSB POG

FIGURES

N

APPROXIMATE

0 2000 4000

SCALE IN FEET

U.S.G.S. QUADRANGLE MAP

**WALKERTOWN, NC 1951**

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

| | |
|---|---|
| TITLE | SITE LOCATION MAP |
| PROJECT | NC DOT RIGHT OF WAY<br>WINSTON-SALEM, FORSYTH COUNTY, NC |
| Hart & Hickman<br>A PROFESSIONAL CORPORATION | 2923 South Tryon Street-Suite 100<br>Charlotte, North Carolina 28203<br>704-586-0007 (p) 704-586-0373 (f) |

| | | | |
|---|---|---|---|
| DATE: | 10-18-10 | REVISION NO: | 0 |
| JOB NO: | ROW-310 | FIGURE: | 1 |

PROPOSED SOUTHBOUND DETOUR LANE

EXISTING HIGHWAY 52 (SOUTHBOUND)

EXISTING HIGHWAY 52 (NORTHBOUND)

-L-STA 50+00

-L-STA 51+00

-L-STA 52+00

-L-STA 53+00

CB

RUINS

CO-1 CO-2 CO-3

FORMER CAROLINA ORE

50+13 -L-
130' & 150'

49+53 -L-
130' & 150'

53+31 -L-
130' & 150'

53+91 -L-
130' & 150'

1 2 3 4 5 6 7 8 9

**LEGEND**

- PROPERTY LINE
- OLD RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED CUT LINE
- PROPOSED FILL LINE
- PROPOSED DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- FENCE
- RAILROAD TRACKS
- DRAINAGE DITCH
- APPROXIMATE AREA OF ENTACT SOIL REMOVAL
- (3) ENTACT SOIL REMOVAL AREA ID
- CB PROPOSED CATCH BASIN
- CB EXISTING CATCH BASIN
- SOIL BORING LOCATION
- (9) PARCEL NUMBER

APPROXIMATE
0 60 120
SCALE IN FEET

TITLE

SITE MAP AND SOIL SAMPLE LOCATIONS

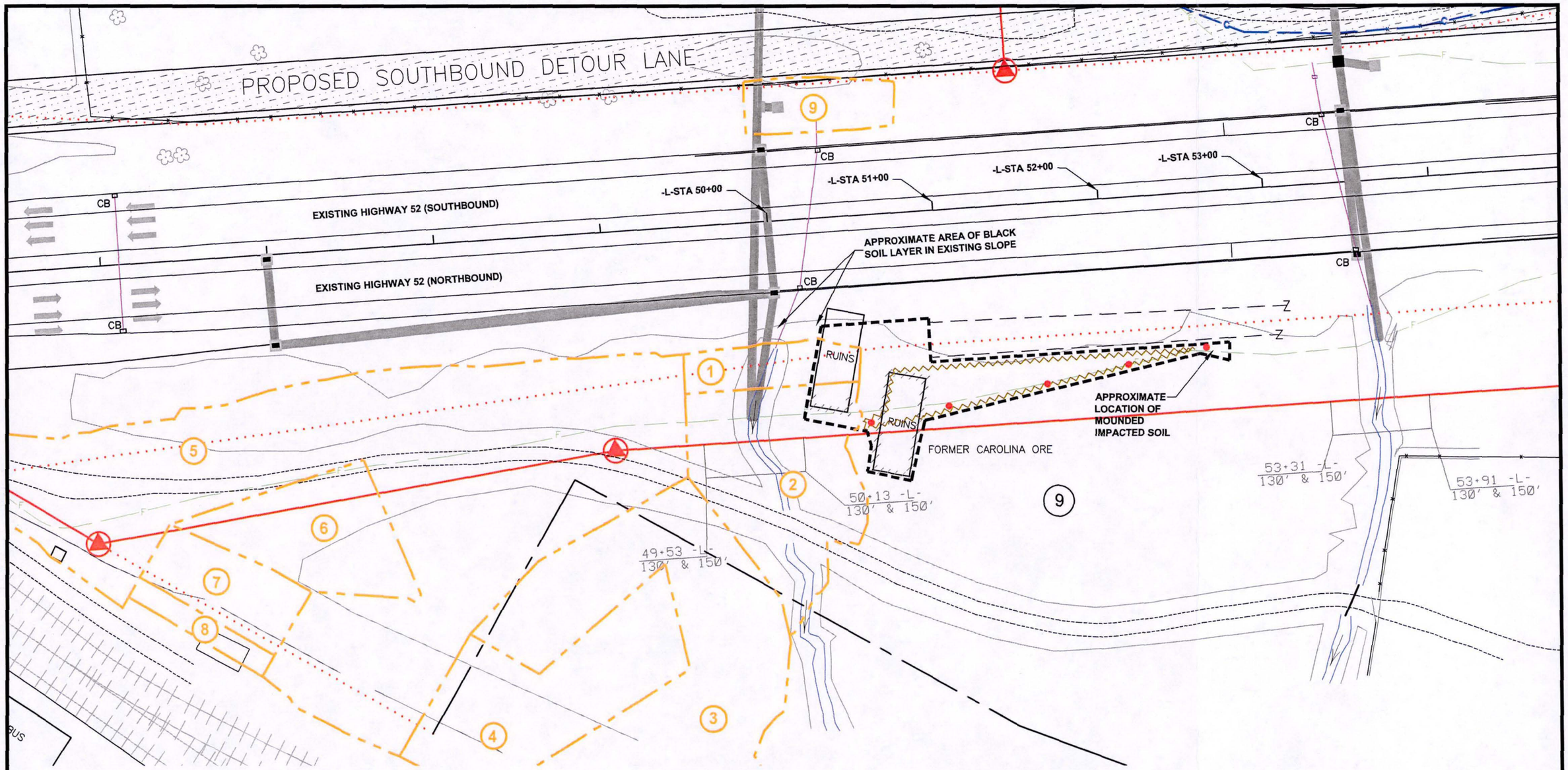
PROJECT

FORMER CAROLINA ORE
NC DOT RIGHT OF WAY
WINSTON SALEM, FORSYTH COUNTY, NC

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

| | |
|---|---|
| DATE: 10-20-2010 | REVISION NO. 0 |
| JOB NO: ROW-310 | FIGURE NO. 2 |

S:\AAA-Master Projects\NC DOT Right-of-Way -ROW\ROW-310 Winston-Salem Highway 52 Carolina Ore Soil\Carolina Ore\20101020_Figures_ROW-310 (HLB edits).dwg, New Fig 2, 2/9/2011 9:45:31 AM,
nfoster




LEGEND

- PROPERTY LINE
- OLD RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED CUT LINE
- PROPOSED FILL LINE
- PROPOSED DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- FENCE
- RAILROAD TRACKS
- DRAINAGE DITCH
- APPROXIMATE AREA OF ENTACT SOIL REMOVAL
- (3) ENTACT SOIL REMOVAL AREA ID
- ■CB PROPOSED CATCH BASIN
- □CB EXISTING CATCH BASIN
- (9) PARCEL NUMBER
- APPROXIMATE AREA OF IMPACTED SOIL CAPPING
- APPROXIMATE AREA OF VEGETATION REMOVAL
- TEMPORARY CONSTRUCTION ROAD
- REMOVED RUINS
- APPROXIMATE LOCATION OF DO NOT DIG SIGN

APPROXIMATE
0 60 120
SCALE IN FEET

TITLE
VEGETATION CLEARING AND SOIL CAPPING LOCATION MAP

PROJECT
FORMER CAROLINA ORE
NC DOT RIGHT OF WAY
WINSTON SALEM, FORSYTH COUNTY, NC

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

| | |
|---|---|
| DATE: 10-20-2010 | REVISION NO. 0 |
| JOB NO: ROW-310 | FIGURE NO. 3 |

S:\AAA-Master Projects\NC DOT Right-of-Way -ROW\ROW-310 Winston-Salem Highway 52 Carolina Ore Soil\Carolina Ore\Arcadis Overlay_ROW-310 (HLB edits)\... New Fig 1. 2/9/2011 9:46:36 AM.
nfoster

# Appendix A

## Soil Boring Logs

Hart & Hickman
ENVIRONMENTAL CONSULTANTS

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

3334 Hillsborough Street
Raleigh, NC 27607
919-847-4241(p) 919-847-4261(f)

# BORING NUMBER CO-1

**PROJECT:** NC DOT State Project U-2826A
**JOB NUMBER:** ROW-310
**LOCATION:** Winston-Salem, NC

| DEPTH (ft) | RECOVERY (%) | BLOW COUNT | OVA (ppm) BKG. | OVA (ppm) SAMP. | LITHOLOGY | MATERIAL DESCRIPTION | WELL DIAGRAM | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | 0 | 0.6 | | Dry, loose, black, Cinder | | 0 |
| 1 | | | 0 | 0.2 | | Dry, loose to slightly stiff, slightly micaceous, orange and tan, fine sandy SILT | | 1 |
| | | | 0 | 0.2 | | | | |
| | | | 0 | 0.3 | | | | |
| 2 | | | | | | Bottom of borehole at 2.0 feet. | | 2 |

**DRILLING CONTRACTOR:** Hart & Hickman
**DRILL RIG/ METHOD:** NA
**SAMPLING METHOD:** Hand Auger
**LOGGED BY** BDO
**DRAWN BY:**

**BORING STARTED** 7/26/10
**BORING COMPLETED:** 7/26/10
**TOTAL DEPTH:** 2
**SURFACE ELEV:**
**DEPTH TO WATER:**

**Remarks:**
Soil samples collected from 0.0-0.5' and 1.5-2.0' intervals for laboratory analysis.

LOG OF BORI HART HICKMAN.GDT - 10/18/10 16:04 - \\HHSVR\MASTERFILES\AAA-MASTER GINT PROJECTS\ROW-20 OLINA ORE ROW.GPJ

Hart & Hickman
ENVIRONMENTAL CONSULTANTS

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

3334 Hillsborough Street
Raleigh, NC 27607
919-847-4241(p) 919-847-4261(f)

# BORING NUMBER CO-2

**PROJECT:** NC DOT State Project U-2826A
**JOB NUMBER:** ROW-310
**LOCATION:** Winston-Salem, NC

| DEPTH (ft) | RECOVERY (%) | BLOW COUNT | OVA (ppm) BKG. | OVA (ppm) SAMP. | LITHOLOGY | MATERIAL DESCRIPTION | WELL DIAGRAM | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | Dry, loose, black, Cinder | | 0 |
| | | | 0 | 0.4 | | Dry, loose, dark brown, SILT | | |
| | | | 0 | 0.4 | | Dry, loose to slightly stiff, micaceous, tan and orange, fine sandy SILT | | |
| 1 | | | 0 | 0.2 | | | | 1 |
| | | | 0 | 0.3 | | | | |
| 2 | | | | | | Bottom of borehole at 2.0 feet. | | 2 |

**DRILLING CONTRACTOR:** Hart & Hickman
**DRILL RIG/ METHOD:** NA
**SAMPLING METHOD:** Hand Auger
**LOGGED BY** BDO
**DRAWN BY:**

**BORING STARTED** 7/26/10
**BORING COMPLETED:** 7/26/10
**TOTAL DEPTH:** 2
**SURFACE ELEV:**
**DEPTH TO WATER:**

**Remarks:**
Soil samples collected from 0.0-0.5' and 1.5-2.0' intervals for laboratory analysis.

LOG OF BORI ART HICKMAN.GDT - 10/18/10 16:04 - \\HHSVR\MASTERFILES\AAA-MASTER GINT PROJECTS\ROW-20 DLINA ORE ROW.GPJ

Hart & Hickman
ENVIRONMENTAL CONSULTANTS

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

3334 Hillsborough Street
Raleigh, NC 27607
919-847-4241(p) 919-847-4281(f)

# BORING NUMBER CO-3

**PROJECT:** NC DOT State Project U-2826A
**JOB NUMBER:** ROW-310
**LOCATION:** Winston-Salem, NC

| DEPTH (ft) | RECOVERY (%) | BLOW COUNT | OVA (ppm) BKG. | OVA (ppm) SAMP. | LITHOLOGY | MATERIAL DESCRIPTION | WELL DIAGRAM | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | Dry, loose, black, Cinder | | 0 |
| | | | 0 | 0.6 | | Dry, loose to slightly stiff, brown and dark tan, SILT | | |
| | | | 0 | 0.6 | | | | |
| 1 | | | | | | Dry, slightly stiff to medium stiff, micaceous, tan and orange, fine sandy SILT | | 1 |
| | | | 0 | 0.4 | | | | |
| | | | 0 | 0.4 | | | | |
| 2 | | | | | | Bottom of borehole at 2.0 feet. | | 2 |

**DRILLING CONTRACTOR:** Hart & Hickman
**DRILL RIG/ METHOD:** NA
**SAMPLING METHOD:** Hand Auger
**LOGGED BY** BDO
**DRAWN BY:**

**BORING STARTED** 7/26/10
**BORING COMPLETED:** 7/26/10
**TOTAL DEPTH:** 2
**SURFACE ELEV:**
**DEPTH TO WATER:**

**Remarks:**
Soil samples collected from 0.0-0.5' and 1.5-2.0' intervals for laboratory analysis.

# Appendix B

## Laboratory Analytical Report – Soil Samples (Parcel 9)

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

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

# Case Narrative

10/20/2010

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

Project: ROW-204
Project No.: WBS# 34871.1.1
Lab Submittal Date: 07/26/2010
Prism Work Order: 0070698

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.

## Narrative Notes:

Dioxin analysis subcontracted to Cape Feal Analytical. Herbicide Analysis subcontracted to GCAL. Laboratory reports are attached.

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:**

| | |
|---|---|
| A | Compound recovered outside established QC limits. Acceptable recovery was obtained in the LCS DUP. No further action was taken. |
| Aa | RLs for this sample were increased due to sample extract matrix. |
| Ab | Surrogate recovered outside established QC range. |
| BH | MB greater than one half of the RL, but the sample concentrations are greater than 10x the MB. |
| LH | High LCS recovery. Analyte not detected in the sample(s). No further action taken. |
| M | Matrix spike outside of the control limits. |
| MC | Sample concentration too high for recovery evaluation. |
| MI | Matrix spike outside of the control limits. Matrix interference suspected. |
| 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. |

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

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

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

# Sample Receipt Summary

10/20/2010

Prism Work Order: 0070698

| Client Sample ID | Lab Sample ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| CO-1(0-0.5) | 0070698-01 | Solid | 07/26/10 | 07/26/10 |
| CO-1(1.5-2.0) | 0070698-02 | Solid | 07/26/10 | 07/26/10 |
| CO-2(0-0.5) | 0070698-03 | Solid | 07/26/10 | 07/26/10 |
| CO-2(1.5-2.0) | 0070698-04 | Solid | 07/26/10 | 07/26/10 |
| CO-3(0-0.5) | 0070698-05 | Solid | 07/26/10 | 07/26/10 |
| CO-3(1.5-2.0) | 0070698-06 | Solid | 07/26/10 | 07/26/10 |

Samples received in good condition at 5.6 degrees C unless otherwise noted.

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-1(0-0.5)
Prism Sample ID: 0070698-01
Prism Work Order: 0070698
Time Collected: 07/26/10 12:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | |
| **% Solids** | **89.3** | **% by Weight** | **0.100** | **0.100** | **1** | ***SM2540 G** | **8/2/10 14:00** | **JAB** | **P0H0041** |
| Cyanide | BRL | mg/kg dry | 0.56 | 0.084 | 1 | *9014 | 8/6/10 13:30 | CDE | P0H0139 |
| **Organochlorine Pesticides by GC/ECD** | | | | | | | | | Aa |
| 4,4'-DDD | BRL | ug/kg dry | 8.9 | 2.5 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| 4,4'-DDE | BRL | ug/kg dry | 8.9 | 3.0 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| 4,4'-DDT | BRL | ug/kg dry | 13 | 2.2 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Aldrin | BRL | ug/kg dry | 8.9 | 2.0 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| alpha-BHC | BRL | ug/kg dry | 8.9 | 2.0 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| alpha-Chlordane | BRL | ug/kg dry | 8.9 | 2.7 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| beta-BHC | BRL | ug/kg dry | 8.9 | 2.5 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Chlordane | BRL | ug/kg dry | 220 | 27 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| delta-BHC | BRL | ug/kg dry | 8.9 | 2.0 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Dieldrin | BRL | ug/kg dry | 8.9 | 2.8 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Endosulfan I | BRL | ug/kg dry | 8.9 | 2.6 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Endosulfan II | BRL | ug/kg dry | 8.9 | 2.0 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Endosulfan Sulfate | BRL | ug/kg dry | 8.9 | 2.9 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Endrin | BRL | ug/kg dry | 8.9 | 2.8 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Endrin Aldehyde | BRL | ug/kg dry | 8.9 | 2.7 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Endrin Ketone | BRL | ug/kg dry | 8.9 | 2.5 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| gamma-BHC | BRL | ug/kg dry | 8.9 | 1.8 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| gamma-Chlordane | BRL | ug/kg dry | 8.9 | 2.3 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Heptachlor | BRL | ug/kg dry | 8.9 | 1.8 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Heptachlor Epoxide | BRL | ug/kg dry | 8.9 | 2.1 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Methoxychlor | BRL | ug/kg dry | 8.9 | 2.6 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |
| Toxaphene | BRL | ug/kg dry | 220 | 23 | 4 | *8081B | 8/4/10 13:16 | JMV | P0G0635 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| Decachlorobiphenyl | *48 %* | *26-204* |
| Tetrachloro-m-xylene | *92 %* | *40-162* |

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls (PCBs) by GC/ECD** | | | | | | | | | Aa |
| Aroclor 1016 | BRL | mg/kg | 0.20 | 0.037 | 4 | *8082A | 8/4/10 13:16 | JMV | P0G0636 |
| Aroclor 1221 | BRL | mg/kg | 0.40 | 0.16 | 4 | *8082A | 8/4/10 13:16 | JMV | P0G0636 |
| Aroclor 1232 | BRL | mg/kg | 0.40 | 0.27 | 4 | *8082A | 8/4/10 13:16 | JMV | P0G0636 |
| Aroclor 1242 | BRL | mg/kg | 0.20 | 0.016 | 4 | *8082A | 8/4/10 13:16 | JMV | P0G0636 |
| Aroclor 1248 | BRL | mg/kg | 0.20 | 0.040 | 4 | *8082A | 8/4/10 13:16 | JMV | P0G0636 |
| Aroclor 1254 | BRL | mg/kg | 0.20 | 0.027 | 4 | *8082A | 8/4/10 13:16 | JMV | P0G0636 |
| Aroclor 1260 | BRL | mg/kg | 0.20 | 0.052 | 4 | *8082A | 8/4/10 13:16 | JMV | P0G0636 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| Tetrachloro-m-xylene | *56 %* | *36-182* |
| Decachlorobiphenyl | *40 %* | *34-182* |

**Semivolatile Organic Compounds by GC/MS**

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-1(0-0.5)
Prism Sample ID: 0070698-01
Prism Work Order: 0070698
Time Collected: 07/26/10 12:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | BRL | mg/kg dry | 0.37 | 0.095 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 1,2-Dichlorobenzene | BRL | mg/kg dry | 0.37 | 0.084 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 1,3-Dichlorobenzene | BRL | mg/kg dry | 0.37 | 0.085 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 1,4-Dichlorobenzene | BRL | mg/kg dry | 0.37 | 0.083 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 2,4,6-Trichlorophenol | BRL | mg/kg dry | 0.37 | 0.089 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 2,4-Dichlorophenol | BRL | mg/kg dry | 0.37 | 0.094 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 2,4-Dimethylphenol | BRL | mg/kg dry | 0.37 | 0.095 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 2,4-Dinitrophenol | BRL | mg/kg dry | 0.37 | 0.058 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 2,4-Dinitrotoluene | BRL | mg/kg dry | 0.37 | 0.089 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 2,6-Dinitrotoluene | BRL | mg/kg dry | 0.37 | 0.076 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 2-Chloronaphthalene | BRL | mg/kg dry | 0.37 | 0.088 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 2-Chlorophenol | BRL | mg/kg dry | 0.37 | 0.10 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 2-Methylnaphthalene | BRL | mg/kg dry | 0.37 | 0.11 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 2-Methylphenol | BRL | mg/kg dry | 0.37 | 0.092 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 2-Nitrophenol | BRL | mg/kg dry | 0.37 | 0.084 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg dry | 0.37 | 0.090 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 3/4-Methylphenol | BRL | mg/kg dry | 0.37 | 0.093 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg dry | 0.37 | 0.059 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0[illegible] |
| 4-Bromophenyl phenyl ether | BRL | mg/kg dry | 0.37 | 0.081 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0[illegible] |
| 4-Chloro-3-methylphenol | BRL | mg/kg dry | 0.37 | 0.084 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 4-Chloroaniline | BRL | mg/kg dry | 0.37 | 0.075 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 4-Chlorophenyl phenyl ether | BRL | mg/kg dry | 0.37 | 0.073 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| 4-Nitrophenol | BRL | mg/kg dry | 0.37 | 0.050 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Acenaphthene | BRL | mg/kg dry | 0.37 | 0.080 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Acenaphthylene | BRL | mg/kg dry | 0.37 | 0.084 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Anthracene | BRL | mg/kg dry | 0.37 | 0.084 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Azobenzene | BRL | mg/kg dry | 0.37 | 0.082 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Benzo(a)anthracene | BRL | mg/kg dry | 0.37 | 0.090 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Benzo(a)pyrene | BRL | mg/kg dry | 0.37 | 0.049 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Benzo(b)fluoranthene | BRL | mg/kg dry | 0.37 | 0.077 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Benzo(g,h,i)perylene | BRL | mg/kg dry | 0.37 | 0.066 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Benzo(k)fluoranthene | BRL | mg/kg dry | 0.37 | 0.10 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Benzoic Acid | BRL | mg/kg dry | 0.37 | 0.094 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Benzyl alcohol | BRL | mg/kg dry | 0.37 | 0.092 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| bis(2-Chloroethoxy)methane | BRL | mg/kg dry | 0.37 | 0.098 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Bis(2-Chloroethyl)ether | BRL | mg/kg dry | 0.37 | 0.10 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg dry | 0.37 | 0.099 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Bis(2-Ethylhexyl)phthalate | BRL | mg/kg dry | 0.37 | 0.12 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Butyl benzyl phthalate | BRL | mg/kg dry | 0.37 | 0.11 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Chrysene | BRL | mg/kg dry | 0.37 | 0.082 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Dibenzo(a,h)anthracene | BRL | mg/kg dry | 0.37 | 0.085 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Dibenzofuran | BRL | mg/kg dry | 0.37 | 0.080 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0[illegible] |
| Diethyl phthalate | BRL | mg/kg dry | 0.37 | 0.092 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G[illegible] |
| Dimethyl phthalate | BRL | mg/kg dry | 0.37 | 0.085 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-1(0-0.5)
Prism Sample ID: 0070698-01
Prism Work Order: 0070698
Time Collected: 07/26/10 12:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| Di-n-butyl phthalate | BRL | mg/kg dry | 0.37 | 0.12 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Di-n-octyl phthalate | BRL | mg/kg dry | 0.37 | 0.12 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Fluoranthene | BRL | mg/kg dry | 0.37 | 0.097 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Fluorene | BRL | mg/kg dry | 0.37 | 0.081 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Hexachlorobenzene | BRL | mg/kg dry | 0.37 | 0.083 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Hexachlorobutadiene | BRL | mg/kg dry | 0.37 | 0.094 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Hexachlorocyclopentadiene | BRL | mg/kg dry | 0.37 | 0.073 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Hexachloroethane | BRL | mg/kg dry | 0.37 | 0.087 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg dry | 0.37 | 0.093 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Isophorone | BRL | mg/kg dry | 0.37 | 0.085 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Naphthalene | BRL | mg/kg dry | 0.37 | 0.096 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Nitrobenzene | BRL | mg/kg dry | 0.37 | 0.093 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| N-Nitroso-di-n-propylamine | BRL | mg/kg dry | 0.37 | 0.083 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| N-Nitrosodiphenylamine | BRL | mg/kg dry | 0.37 | 0.089 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Pentachlorophenol | BRL | mg/kg dry | 0.37 | 0.099 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Phenanthrene | BRL | mg/kg dry | 0.37 | 0.082 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Phenol | BRL | mg/kg dry | 0.37 | 0.099 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |
| Pyrene | BRL | mg/kg dry | 0.37 | 0.089 | 1 | *8270D | 7/31/10 16:34 | CGP | P0G0626 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| 2,4,6-Tribromophenol | 35 % | 34-134 |
| 2-Fluorobiphenyl | 39 % | 17-122 |
| 2-Fluorophenol | 23 % | 13-108 |
| Nitrobenzene-d5 | 31 % | 11-118 |
| Phenol-d5 | 24 % | 23-109 |
| Terphenyl-d14 | 41 % | 41-156 |

## TCLP Extraction by EPA 1311

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TCLP Extraction | Complete | N/A | | | 1 | *1311 | 7/31/10 10:00 | RWF | P0G0656 |

## TCLP Metals

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | BRL | mg/L | 0.00020 | 0.0000084 | 1 | *7470A | 8/3/10 8:33 | RWF | P0H0021 |

## Total Metals

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 4200 | mg/kg dry | 280 | 110 | 100 | *6010C | 8/2/10 19:57 | DJS | P0G0603 |
| Mercury | 0.11 | mg/kg dry | 0.022 | 0.0015 | 1 | *7471B | 8/3/10 10:35 | RWF | P0H0022 |
| Antimony | 6.3 | mg/kg dry | 0.22 | 0.041 | 1 | *6010C | 7/29/10 20:01 | DJS | P0G0603 |
| Arsenic | 88 | mg/kg dry | 0.56 | 0.063 | 1 | *6010C | 7/29/10 20:01 | DJS | P0G0603 |
| Barium | 830 | mg/kg dry | 56 | 8.3 | 100 | *6010C | 8/2/10 19:57 | DJS | P0G0603 |
| Beryllium | BRL | mg/kg dry | 0.28 | 0.047 | 1 | *6010C | 7/29/10 20:01 | DJS | P0G0603 |
| Cadmium | 14 | mg/kg dry | 0.28 | 0.030 | 1 | *6010C | 7/29/10 20:01 | DJS | P0G0603 |
| Calcium | 930 | mg/kg dry | 11 | 4.5 | 1 | *6010C | 7/29/10 20:01 | DJS | P0G0603 |
| Chromium | BRL | mg/kg dry | 0.28 | 0.039 | 1 | *6010C | 7/29/10 20:01 | DJS | P0G0603 |
| Cobalt | 55 | mg/kg dry | 0.28 | 0.031 | 1 | *6010C | 7/29/10 20:01 | DJS | P0G0603 |
| Copper | 5500 | mg/kg dry | 56 | 24 | 100 | *6010C | 8/2/10 19:57 | DJS | P0G0603 |
| Iron | 260000 | mg/kg dry | 2800 | 950 | 500 | *6010C | 8/2/10 19:35 | DJS | P0G0603 |

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

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

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-1(0-0.5)
Prism Sample ID: 0070698-01
Prism Work Order: 0070698
Time Collected: 07/26/10 12:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **Lead** | **740** | **mg/kg dry** | **28** | **6.9** | **100** | ***6010C** | **8/2/10 19:57** | **DJS** | **P0G0603** |
| **Magnesium** | **2700** | **mg/kg dry** | **280** | **36** | **100** | ***6010C** | **8/2/10 19:57** | **DJS** | **P0G0603** |
| **Manganese** | **94** | **mg/kg dry** | **0.28** | **0.027** | **1** | ***6010C** | **7/29/10 20:01** | **DJS** | **P0G0603** |
| **Nickel** | **3.1** | **mg/kg dry** | **1.1** | **0.34** | **1** | ***6010C** | **7/29/10 20:01** | **DJS** | **P0G0603** |
| **Potassium** | **380** | **mg/kg dry** | **2.8** | **0.98** | **1** | ***6010C** | **7/29/10 20:01** | **DJS** | **P0G0603** |
| Selenium | BRL | mg/kg dry | 0.56 | 0.11 | 1 | *6010C | 7/29/10 20:01 | DJS | P0G0603 |
| **Silver** | **1.1** | **mg/kg dry** | **0.28** | **0.029** | **1** | ***6010C** | **7/29/10 20:01** | **DJS** | **P0G0603** |
| **Sodium** | **71** | **mg/kg dry** | **17** | **1.7** | **1** | ***6010C** | **7/29/10 20:01** | **DJS** | **P0G0603** |
| Thallium | BRL | mg/kg dry | 0.56 | 0.11 | 1 | *6010C | 7/29/10 20:01 | DJS | P0G0603 |
| **Vanadium** | **13** | **mg/kg dry** | **0.28** | **0.020** | **1** | ***6010C** | **7/29/10 20:01** | **DJS** | **P0G0603** |
| **Zinc** | **5400** | **mg/kg dry** | **280** | **29** | **100** | ***6010C** | **8/2/10 19:57** | **DJS** | **P0G0603** |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg dry | 0.0045 | 0.0010 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg dry | 0.0045 | 0.0013 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,1,2-Trichloroethane | BRL | mg/kg dry | 0.0045 | 0.0013 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,1-Dichloroethane | BRL | mg/kg dry | 0.0045 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,1-Dichloroethylene | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0[illegible] |
| 1,1-Dichloropropylene | BRL | mg/kg dry | 0.0045 | 0.00095 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G[illegible] |
| 1,2,3-Trichlorobenzene | BRL | mg/kg dry | 0.0045 | 0.0015 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,2,3-Trichloropropane | BRL | mg/kg dry | 0.0045 | 0.0019 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg dry | 0.0045 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,2-Dibromoethane | BRL | mg/kg dry | 0.0045 | 0.0013 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,2-Dichlorobenzene | BRL | mg/kg dry | 0.0045 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,2-Dichloroethane | BRL | mg/kg dry | 0.0045 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,2-Dichloropropane | BRL | mg/kg dry | 0.0045 | 0.0013 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg dry | 0.0045 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,3-Dichlorobenzene | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,3-Dichloropropane | BRL | mg/kg dry | 0.0045 | 0.00093 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 1,4-Dichlorobenzene | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 2,2-Dichloropropane | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 2-Chlorotoluene | BRL | mg/kg dry | 0.0045 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 4-Chlorotoluene | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| 4-Isopropyltoluene | BRL | mg/kg dry | 0.0045 | 0.0013 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| **Acetone** | **0.083** | **mg/kg dry** | **0.045** | **0.0020** | **1** | ***8260B** | **7/28/10 19:48** | **KLA** | **P0G0595** |
| Benzene | BRL | mg/kg dry | 0.0027 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Bromobenzene | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Bromochloromethane | BRL | mg/kg dry | 0.0045 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Bromodichloromethane | BRL | mg/kg dry | 0.0045 | 0.0010 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Bromoform | BRL | mg/kg dry | 0.0045 | 0.00099 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Bromomethane | BRL | mg/kg dry | 0.0091 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0[illegible] |
| Carbon Tetrachloride | BRL | mg/kg dry | 0.0045 | 0.0013 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G[illegible] |
| Chlorobenzene | BRL | mg/kg dry | 0.0045 | 0.0010 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-1(0-0.5)
Prism Sample ID: 0070698-01
Prism Work Order: 0070698
Time Collected: 07/26/10 12:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| Chloroethane | BRL | mg/kg dry | 0.0091 | 0.0024 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Chloroform | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Chloromethane | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| cis-1,2-Dichloroethylene | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| cis-1,3-Dichloropropylene | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Dibromochloromethane | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Dichlorodifluoromethane | BRL | mg/kg dry | 0.0045 | 0.00094 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Ethylbenzene | BRL | mg/kg dry | 0.0045 | 0.00095 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Isopropyl Ether | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Isopropylbenzene (Cumene) | BRL | mg/kg dry | 0.0045 | 0.0010 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| m,p-Xylenes | BRL | mg/kg dry | 0.0091 | 0.0024 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Methyl Butyl Ketone (2-Hexanone) | BRL | mg/kg dry | 0.045 | 0.0014 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Methyl Ethyl Ketone (2-Butanone) | BRL | mg/kg dry | 0.091 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Methyl Isobutyl Ketone | BRL | mg/kg dry | 0.045 | 0.00099 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Methylene Chloride | BRL | mg/kg dry | 0.0045 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Methyl-tert-Butyl Ether | BRL | mg/kg dry | 0.0091 | 0.00095 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Naphthalene | BRL | mg/kg dry | 0.0091 | 0.0025 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| n-Butylbenzene | BRL | mg/kg dry | 0.0045 | 0.0017 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| n-Propylbenzene | BRL | mg/kg dry | 0.0045 | 0.0013 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| o-Xylene | BRL | mg/kg dry | 0.0045 | 0.0010 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| sec-Butylbenzene | BRL | mg/kg dry | 0.0045 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Styrene | BRL | mg/kg dry | 0.0045 | 0.00088 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| tert-Butylbenzene | BRL | mg/kg dry | 0.0045 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Tetrachloroethylene | BRL | mg/kg dry | 0.0045 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Toluene | BRL | mg/kg dry | 0.0045 | 0.0011 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| trans-1,2-Dichloroethylene | BRL | mg/kg dry | 0.0045 | 0.00090 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| trans-1,3-Dichloropropylene | BRL | mg/kg dry | 0.0045 | 0.00091 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Trichloroethylene | BRL | mg/kg dry | 0.0045 | 0.0013 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Trichlorofluoromethane | BRL | mg/kg dry | 0.0045 | 0.0013 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Vinyl acetate | BRL | mg/kg dry | 0.023 | 0.0031 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Vinyl chloride | BRL | mg/kg dry | 0.0045 | 0.0012 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |
| Xylenes, total | BRL | mg/kg dry | 0.014 | 0.0034 | 1 | *8260B | 7/28/10 19:48 | KLA | P0G0595 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| 4-Bromofluorobenzene | *105 %* | *70-130* |
| Dibromofluoromethane | *102 %* | *84-123* |
| Toluene-d8 | *100 %* | *76-129* |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-1(0-0.5)
Prism Sample ID: 0070698-01RE1
Prism Work Order: 0070698
Time Collected: 07/26/10 12:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **TCLP Metals** | | | | | | | | | |
| **Arsenic** | **0.15** | **mg/L** | **0.010** | **0.0019** | **1** | ***6010C** | **8/12/10 19:21** | **DJS** | **P0H0280** |
| **Barium** | **0.89** | **mg/L** | **0.010** | **0.00064** | **1** | ***6010C** | **8/12/10 19:21** | **DJS** | **P0H0280** |
| **Cadmium** | **0.018** | **mg/L** | **0.0010** | **0.00015** | **1** | ***6010C** | **8/12/10 19:21** | **DJS** | **P0H0280** |
| Chromium | BRL | mg/L | 0.0050 | 0.00051 | 1 | *6010C | 8/12/10 19:21 | DJS | P0H0280 |
| **Lead** | **0.27** | **mg/L** | **0.0050** | **0.00057** | **1** | ***6010C** | **8/12/10 19:21** | **DJS** | **P0H0280** |
| Selenium | BRL | mg/L | 0.020 | 0.0028 | 1 | *6010C | 8/12/10 19:21 | DJS | P0H0280 |
| Silver | BRL | mg/L | 0.0050 | 0.00036 | 1 | *6010C | 8/12/10 19:21 | DJS | P0H0280 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-1(1.5-2.0)
Prism Sample ID: 0070698-02
Prism Work Order: 0070698
Time Collected: 07/26/10 12:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | |
| **% Solids** | **92.9** | **% by Weight** | **0.100** | **0.100** | **1** | ***SM2540 G** | **8/2/10 14:00** | **JAB** | **P0H0041** |
| Cyanide | BRL | mg/kg dry | 0.54 | 0.080 | 1 | *9014 | 8/6/10 13:30 | CDE | P0H0139 |
| **Organochlorine Pesticides by GC/ECD** | | | | | | | | | |
| 4,4'-DDD | BRL | ug/kg dry | 2.1 | 0.60 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| 4,4'-DDE | BRL | ug/kg dry | 2.1 | 0.72 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| 4,4'-DDT | BRL | ug/kg dry | 3.2 | 0.53 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Aldrin | BRL | ug/kg dry | 2.1 | 0.47 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| alpha-BHC | BRL | ug/kg dry | 2.1 | 0.47 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| alpha-Chlordane | BRL | ug/kg dry | 2.1 | 0.64 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| beta-BHC | BRL | ug/kg dry | 2.1 | 0.59 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Chlordane | BRL | ug/kg dry | 53 | 6.5 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| delta-BHC | BRL | ug/kg dry | 2.1 | 0.47 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Dieldrin | BRL | ug/kg dry | 2.1 | 0.67 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Endosulfan I | BRL | ug/kg dry | 2.1 | 0.63 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Endosulfan II | BRL | ug/kg dry | 2.1 | 0.47 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Endosulfan Sulfate | BRL | ug/kg dry | 2.1 | 0.69 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Endrin | BRL | ug/kg dry | 2.1 | 0.66 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Endrin Aldehyde | BRL | ug/kg dry | 2.1 | 0.65 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Endrin Ketone | BRL | ug/kg dry | 2.1 | 0.60 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| gamma-BHC | BRL | ug/kg dry | 2.1 | 0.43 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| gamma-Chlordane | BRL | ug/kg dry | 2.1 | 0.54 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Heptachlor | BRL | ug/kg dry | 2.1 | 0.43 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Heptachlor Epoxide | BRL | ug/kg dry | 2.1 | 0.49 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Methoxychlor | BRL | ug/kg dry | 2.1 | 0.63 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |
| Toxaphene | BRL | ug/kg dry | 53 | 5.4 | 1 | *8081B | 8/4/10 1:32 | JMV | P0G0635 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| Decachlorobiphenyl | *86 %* | *26-204* |
| Tetrachloro-m-xylene | *85 %* | *40-162* |

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls (PCBs) by GC/ECD** | | | | | | | | | |
| Aroclor 1016 | BRL | mg/kg | 0.050 | 0.0092 | 1 | *8082A | 8/4/10 1:32 | JMV | P0G0636 |
| Aroclor 1221 | BRL | mg/kg | 0.10 | 0.040 | 1 | *8082A | 8/4/10 1:32 | JMV | P0G0636 |
| Aroclor 1232 | BRL | mg/kg | 0.10 | 0.067 | 1 | *8082A | 8/4/10 1:32 | JMV | P0G0636 |
| Aroclor 1242 | BRL | mg/kg | 0.050 | 0.0040 | 1 | *8082A | 8/4/10 1:32 | JMV | P0G0636 |
| Aroclor 1248 | BRL | mg/kg | 0.050 | 0.010 | 1 | *8082A | 8/4/10 1:32 | JMV | P0G0636 |
| Aroclor 1254 | BRL | mg/kg | 0.050 | 0.0068 | 1 | *8082A | 8/4/10 1:32 | JMV | P0G0636 |
| Aroclor 1260 | BRL | mg/kg | 0.050 | 0.013 | 1 | *8082A | 8/4/10 1:32 | JMV | P0G0636 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| Tetrachloro-m-xylene | *75 %* | *36-182* |
| Decachlorobiphenyl | *74 %* | *34-182* |

| 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 | mg/kg dry | 0.35 | 0.091 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-1(1.5-2.0)
Prism Sample ID: 0070698-02
Prism Work Order: 0070698
Time Collected: 07/26/10 12:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | BRL | mg/kg dry | 0.35 | 0.081 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 1,3-Dichlorobenzene | BRL | mg/kg dry | 0.35 | 0.082 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 1,4-Dichlorobenzene | BRL | mg/kg dry | 0.35 | 0.080 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 2,4,6-Trichlorophenol | BRL | mg/kg dry | 0.35 | 0.086 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 2,4-Dichlorophenol | BRL | mg/kg dry | 0.35 | 0.090 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 2,4-Dimethylphenol | BRL | mg/kg dry | 0.35 | 0.092 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 2,4-Dinitrophenol | BRL | mg/kg dry | 0.35 | 0.055 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 2,4-Dinitrotoluene | BRL | mg/kg dry | 0.35 | 0.085 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 2,6-Dinitrotoluene | BRL | mg/kg dry | 0.35 | 0.074 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 2-Chloronaphthalene | BRL | mg/kg dry | 0.35 | 0.085 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 2-Chlorophenol | BRL | mg/kg dry | 0.35 | 0.097 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 2-Methylnaphthalene | BRL | mg/kg dry | 0.35 | 0.11 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 2-Methylphenol | BRL | mg/kg dry | 0.35 | 0.089 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 2-Nitrophenol | BRL | mg/kg dry | 0.35 | 0.080 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg dry | 0.35 | 0.087 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 3/4-Methylphenol | BRL | mg/kg dry | 0.35 | 0.089 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg dry | 0.35 | 0.057 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 4-Bromophenyl phenyl ether | BRL | mg/kg dry | 0.35 | 0.078 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0[illegible] |
| 4-Chloro-3-methylphenol | BRL | mg/kg dry | 0.35 | 0.081 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0[illegible] |
| 4-Chloroaniline | BRL | mg/kg dry | 0.35 | 0.072 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 4-Chlorophenyl phenyl ether | BRL | mg/kg dry | 0.35 | 0.070 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| 4-Nitrophenol | BRL | mg/kg dry | 0.35 | 0.048 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Acenaphthene | BRL | mg/kg dry | 0.35 | 0.077 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Acenaphthylene | BRL | mg/kg dry | 0.35 | 0.081 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Anthracene | BRL | mg/kg dry | 0.35 | 0.081 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Azobenzene | BRL | mg/kg dry | 0.35 | 0.079 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Benzo(a)anthracene | BRL | mg/kg dry | 0.35 | 0.087 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Benzo(a)pyrene | BRL | mg/kg dry | 0.35 | 0.047 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Benzo(b)fluoranthene | BRL | mg/kg dry | 0.35 | 0.074 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Benzo(g,h,i)perylene | BRL | mg/kg dry | 0.35 | 0.064 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Benzo(k)fluoranthene | BRL | mg/kg dry | 0.35 | 0.096 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Benzoic Acid | BRL | mg/kg dry | 0.35 | 0.091 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Benzyl alcohol | BRL | mg/kg dry | 0.35 | 0.088 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| bis(2-Chloroethoxy)methane | BRL | mg/kg dry | 0.35 | 0.094 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Bis(2-Chloroethyl)ether | BRL | mg/kg dry | 0.35 | 0.096 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg dry | 0.35 | 0.095 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Bis(2-Ethylhexyl)phthalate | BRL | mg/kg dry | 0.35 | 0.11 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Butyl benzyl phthalate | BRL | mg/kg dry | 0.35 | 0.11 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Chrysene | BRL | mg/kg dry | 0.35 | 0.079 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Dibenzo(a,h)anthracene | BRL | mg/kg dry | 0.35 | 0.082 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Dibenzofuran | BRL | mg/kg dry | 0.35 | 0.077 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Diethyl phthalate | BRL | mg/kg dry | 0.35 | 0.088 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0[illegible] |
| Dimethyl phthalate | BRL | mg/kg dry | 0.35 | 0.082 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G[illegible] |
| Di-n-butyl phthalate | BRL | mg/kg dry | 0.35 | 0.12 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-1(1.5-2.0)
Prism Sample ID: 0070698-02
Prism Work Order: 0070698
Time Collected: 07/26/10 12:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | BRL | mg/kg dry | 0.35 | 0.12 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Fluoranthene | BRL | mg/kg dry | 0.35 | 0.093 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Fluorene | BRL | mg/kg dry | 0.35 | 0.078 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Hexachlorobenzene | BRL | mg/kg dry | 0.35 | 0.079 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Hexachlorobutadiene | BRL | mg/kg dry | 0.35 | 0.090 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Hexachlorocyclopentadiene | BRL | mg/kg dry | 0.35 | 0.070 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Hexachloroethane | BRL | mg/kg dry | 0.35 | 0.084 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg dry | 0.35 | 0.089 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Isophorone | BRL | mg/kg dry | 0.35 | 0.082 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Naphthalene | BRL | mg/kg dry | 0.35 | 0.093 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Nitrobenzene | BRL | mg/kg dry | 0.35 | 0.089 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| N-Nitroso-di-n-propylamine | BRL | mg/kg dry | 0.35 | 0.079 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| N-Nitrosodiphenylamine | BRL | mg/kg dry | 0.35 | 0.086 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Pentachlorophenol | BRL | mg/kg dry | 0.35 | 0.095 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Phenanthrene | BRL | mg/kg dry | 0.35 | 0.079 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Phenol | BRL | mg/kg dry | 0.35 | 0.095 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |
| Pyrene | BRL | mg/kg dry | 0.35 | 0.086 | 1 | *8270D | 7/31/10 17:05 | CGP | P0G0626 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| 2,4,6-Tribromophenol | *74 %* | *34-134* |
| 2-Fluorobiphenyl | *65 %* | *17-122* |
| 2-Fluorophenol | *45 %* | *13-108* |
| Nitrobenzene-d5 | *50 %* | *11-118* |
| Phenol-d5 | *48 %* | *23-109* |
| Terphenyl-d14 | *66 %* | *41-156* |

## TCLP Extraction by EPA 1311

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TCLP Extraction | Complete | N/A | | | 1 | *1311 | 7/31/10 10:00 | RWF | P0G0656 |

## TCLP Metals

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | BRL | mg/L | 0.00020 | 0.0000084 | 1 | *7470A | 8/3/10 8:52 | RWF | P0H0021 |

## Total Metals

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **42000** | **mg/kg dry** | **270** | **110** | **100** | ***6010C** | **8/2/10 20:20** | **DJS** | **P0G0603** |
| **Mercury** | **0.095** | **mg/kg dry** | **0.020** | **0.0014** | **1** | ***7471B** | **8/3/10 10:58** | **RWF** | **P0H0022** |
| **Antimony** | **0.38** | **mg/kg dry** | **0.22** | **0.039** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| **Arsenic** | **7.3** | **mg/kg dry** | **0.54** | **0.061** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| **Barium** | **64** | **mg/kg dry** | **0.54** | **0.080** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| **Beryllium** | **0.65** | **mg/kg dry** | **0.27** | **0.046** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| **Cadmium** | **2.2** | **mg/kg dry** | **0.27** | **0.029** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| **Calcium** | **1300** | **mg/kg dry** | **11** | **4.3** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| **Chromium** | **16** | **mg/kg dry** | **0.27** | **0.037** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| **Cobalt** | **4.5** | **mg/kg dry** | **0.27** | **0.030** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| **Copper** | **200** | ***mg/kg dry*** | **54** | **23** | **100** | ***6010C** | **8/2/10 20:20** | **DJS** | **P0G0603** |
| [illegible] | **28000** | **mg/kg dry** | **540** | **180** | **100** | ***6010C** | **8/2/10 20:20** | **DJS** | **P0G0603** |
| **Lead** | **97** | **mg/kg dry** | **0.27** | **0.066** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-1(1.5-2.0)
Prism Sample ID: 0070698-02
Prism Work Order: 0070698
Time Collected: 07/26/10 12:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **Magnesium** | **580** | **mg/kg dry** | **2.7** | **0.35** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| **Manganese** | **100** | **mg/kg dry** | **0.27** | **0.026** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| **Nickel** | **6.1** | **mg/kg dry** | **1.1** | **0.33** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| **Potassium** | **1000** | **mg/kg dry** | **2.7** | **0.94** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| Selenium | BRL | mg/kg dry | 0.54 | 0.11 | 1 | *6010C | 7/29/10 20:23 | DJS | P0G0603 |
| Silver | BRL | mg/kg dry | 0.27 | 0.027 | 1 | *6010C | 7/29/10 20:23 | DJS | P0G0603 |
| **Sodium** | **36** | **mg/kg dry** | **16** | **1.7** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| Thallium | BRL | mg/kg dry | 0.54 | 0.10 | 1 | *6010C | 7/29/10 20:23 | DJS | P0G0603 |
| **Vanadium** | **30** | **mg/kg dry** | **0.27** | **0.019** | **1** | ***6010C** | **7/29/10 20:23** | **DJS** | **P0G0603** |
| **Zinc** | **520** | **mg/kg dry** | **270** | **28** | **100** | ***6010C** | **8/2/10 20:20** | **DJS** | **P0G0603** |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg dry | 0.0052 | 0.0012 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg dry | 0.0052 | 0.0014 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,1,2-Trichloroethane | BRL | mg/kg dry | 0.0052 | 0.0015 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,1-Dichloroethane | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,1-Dichloroethylene | BRL | mg/kg dry | 0.0052 | 0.0012 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,1-Dichloropropylene | BRL | mg/kg dry | 0.0052 | 0.0011 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg dry | 0.0052 | 0.0017 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G[illegible] |
| 1,2,3-Trichloropropane | BRL | mg/kg dry | 0.0052 | 0.0022 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg dry | 0.0052 | 0.0014 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,2-Dibromoethane | BRL | mg/kg dry | 0.0052 | 0.0014 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,2-Dichlorobenzene | BRL | mg/kg dry | 0.0052 | 0.0014 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,2-Dichloroethane | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,2-Dichloropropane | BRL | mg/kg dry | 0.0052 | 0.0015 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg dry | 0.0052 | 0.0014 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,3-Dichlorobenzene | BRL | mg/kg dry | 0.0052 | 0.0012 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,3-Dichloropropane | BRL | mg/kg dry | 0.0052 | 0.0011 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 1,4-Dichlorobenzene | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 2,2-Dichloropropane | BRL | mg/kg dry | 0.0052 | 0.0012 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 2-Chlorotoluene | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 4-Chlorotoluene | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| 4-Isopropyltoluene | BRL | mg/kg dry | 0.0052 | 0.0015 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| **Acetone** | **0.055** | **mg/kg dry** | **0.052** | **0.0022** | **1** | ***8260B** | **7/28/10 23:16** | **KLA** | **P0G0595** |
| Benzene | BRL | mg/kg dry | 0.0031 | 0.0014 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Bromobenzene | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Bromochloromethane | BRL | mg/kg dry | 0.0052 | 0.0014 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Bromodichloromethane | BRL | mg/kg dry | 0.0052 | 0.0012 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Bromoform | BRL | mg/kg dry | 0.0052 | 0.0011 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Bromomethane | BRL | mg/kg dry | 0.010 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Carbon Tetrachloride | BRL | mg/kg dry | 0.0052 | 0.0015 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Chlorobenzene | BRL | mg/kg dry | 0.0052 | 0.0012 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G[illegible] |
| Chloroethane | BRL | mg/kg dry | 0.010 | 0.0027 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-1(1.5-2.0)
Prism Sample ID: 0070698-02
Prism Work Order: 0070698
Time Collected: 07/26/10 12:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| Chloroform | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Chloromethane | BRL | mg/kg dry | 0.0052 | 0.0012 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| cis-1,2-Dichloroethylene | BRL | mg/kg dry | 0.0052 | 0.0012 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| cis-1,3-Dichloropropylene | BRL | mg/kg dry | 0.0052 | 0.0012 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Dibromochloromethane | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Dichlorodifluoromethane | BRL | mg/kg dry | 0.0052 | 0.0011 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Ethylbenzene | BRL | mg/kg dry | 0.0052 | 0.0011 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Isopropyl Ether | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Isopropylbenzene (Cumene) | BRL | mg/kg dry | 0.0052 | 0.0012 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| m,p-Xylenes | BRL | mg/kg dry | 0.010 | 0.0028 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Methyl Butyl Ketone (2-Hexanone) | BRL | mg/kg dry | 0.052 | 0.0016 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Methyl Ethyl Ketone (2-Butanone) | BRL | mg/kg dry | 0.10 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Methyl Isobutyl Ketone | BRL | mg/kg dry | 0.052 | 0.0011 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Methylene Chloride | BRL | mg/kg dry | 0.0052 | 0.0014 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Methyl-tert-Butyl Ether | BRL | mg/kg dry | 0.010 | 0.0011 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Naphthalene | BRL | mg/kg dry | 0.010 | 0.0028 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| n-Butylbenzene | BRL | mg/kg dry | 0.0052 | 0.0019 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| n-Propylbenzene | BRL | mg/kg dry | 0.0052 | 0.0015 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| o-Xylene | BRL | mg/kg dry | 0.0052 | 0.0011 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| sec-Butylbenzene | BRL | mg/kg dry | 0.0052 | 0.0014 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Styrene | BRL | mg/kg dry | 0.0052 | 0.0010 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| tert-Butylbenzene | BRL | mg/kg dry | 0.0052 | 0.0014 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Tetrachloroethylene | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Toluene | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| trans-1,2-Dichloroethylene | BRL | mg/kg dry | 0.0052 | 0.0010 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| trans-1,3-Dichloropropylene | BRL | mg/kg dry | 0.0052 | 0.0010 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Trichloroethylene | BRL | mg/kg dry | 0.0052 | 0.0015 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Trichlorofluoromethane | BRL | mg/kg dry | 0.0052 | 0.0015 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Vinyl acetate | BRL | mg/kg dry | 0.026 | 0.0035 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Vinyl chloride | BRL | mg/kg dry | 0.0052 | 0.0013 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |
| Xylenes, total | BRL | mg/kg dry | 0.015 | 0.0039 | 1 | *8260B | 7/28/10 23:16 | KLA | P0G0595 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| 4-Bromofluorobenzene | *103 %* | *70-130* |
| Dibromofluoromethane | *103 %* | *84-123* |
| Toluene-d8 | *100 %* | *76-129* |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-1(1.5-2.0)
Prism Sample ID: 0070698-02RE1
Prism Work Order: 0070698
Time Collected: 07/26/10 12:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **TCLP Metals** | | | | | | | | | |
| Arsenic | BRL | mg/L | 0.010 | 0.0019 | 1 | *6010C | 8/12/10 18:58 | DJS | P0H0280 |
| **Barium** | **0.30** | **mg/L** | **0.010** | **0.00064** | **1** | ***6010C** | **8/12/10 18:58** | **DJS** | **P0H0280** |
| **Cadmium** | **0.023** | **mg/L** | **0.0010** | **0.00015** | **1** | ***6010C** | **8/12/10 18:58** | **DJS** | **P0H0280** |
| Chromium | BRL | mg/L | 0.0050 | 0.00051 | 1 | *6010C | 8/12/10 18:58 | DJS | P0H0280 |
| **Lead** | **0.059** | **mg/L** | **0.0050** | **0.00057** | **1** | ***6010C** | **8/12/10 18:58** | **DJS** | **P0H0280** |
| Selenium | BRL | mg/L | 0.020 | 0.0028 | 1 | *6010C | 8/12/10 18:58 | DJS | P0H0280 |
| Silver | BRL | mg/L | 0.0050 | 0.00036 | 1 | *6010C | 8/12/10 18:58 | DJS | P0H0280 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-2(0-0.5)
Prism Sample ID: 0070698-03
Prism Work Order: 0070698
Time Collected: 07/26/10 13:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | |
| **% Solids** | **88.3** | **% by Weight** | **0.100** | **0.100** | **1** | ***SM2540 G** | **8/2/10 14:00** | **JAB** | **P0H0041** |
| Cyanide | BRL | mg/kg dry | 0.56 | 0.085 | 1 | *9014 | 8/6/10 13:30 | CDE | P0H0139 |
| **Organochlorine Pesticides by GC/ECD** | | | | | | | | | Aa |
| 4,4'-DDD | BRL | ug/kg dry | 9.0 | 2.6 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| 4,4'-DDE | BRL | ug/kg dry | 9.0 | 3.0 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| 4,4'-DDT | BRL | ug/kg dry | 14 | 2.2 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Aldrin | BRL | ug/kg dry | 9.0 | 2.0 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| alpha-BHC | BRL | ug/kg dry | 9.0 | 2.0 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| alpha-Chlordane | BRL | ug/kg dry | 9.0 | 2.7 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| beta-BHC | BRL | ug/kg dry | 9.0 | 2.5 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Chlordane | BRL | ug/kg dry | 230 | 28 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| delta-BHC | BRL | ug/kg dry | 9.0 | 2.0 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Dieldrin | BRL | ug/kg dry | 9.0 | 2.8 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Endosulfan I | BRL | ug/kg dry | 9.0 | 2.7 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Endosulfan II | BRL | ug/kg dry | 9.0 | 2.0 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Endosulfan Sulfate | BRL | ug/kg dry | 9.0 | 2.9 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Endrin | BRL | ug/kg dry | 9.0 | 2.8 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Endrin Aldehyde | BRL | ug/kg dry | 9.0 | 2.8 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Endrin Ketone | BRL | ug/kg dry | 9.0 | 2.6 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| gamma-BHC | BRL | ug/kg dry | 9.0 | 1.8 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| gamma-Chlordane | BRL | ug/kg dry | 9.0 | 2.3 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Heptachlor | BRL | ug/kg dry | 9.0 | 1.8 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Heptachlor Epoxide | BRL | ug/kg dry | 9.0 | 2.1 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Methoxychlor | BRL | ug/kg dry | 9.0 | 2.7 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |
| Toxaphene | BRL | ug/kg dry | 230 | 23 | 4 | *8081B | 8/4/10 13:58 | JMV | P0G0635 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| Decachlorobiphenyl | *68 %* | *26-204* |
| Tetrachloro-m-xylene | *88 %* | *40-162* |

| **Polychlorinated Biphenyls (PCBs) by GC/ECD** | | | | | | | | | Aa |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | BRL | mg/kg | 0.20 | 0.037 | 4 | *8082A | 8/4/10 13:58 | JMV | P0G0636 |
| Aroclor 1221 | BRL | mg/kg | 0.40 | 0.16 | 4 | *8082A | 8/4/10 13:58 | JMV | P0G0636 |
| Aroclor 1232 | BRL | mg/kg | 0.40 | 0.27 | 4 | *8082A | 8/4/10 13:58 | JMV | P0G0636 |
| Aroclor 1242 | BRL | mg/kg | 0.20 | 0.016 | 4 | *8082A | 8/4/10 13:58 | JMV | P0G0636 |
| Aroclor 1248 | BRL | mg/kg | 0.20 | 0.040 | 4 | *8082A | 8/4/10 13:58 | JMV | P0G0636 |
| Aroclor 1254 | BRL | mg/kg | 0.20 | 0.027 | 4 | *8082A | 8/4/10 13:58 | JMV | P0G0636 |
| Aroclor 1260 | BRL | mg/kg | 0.20 | 0.052 | 4 | *8082A | 8/4/10 13:58 | JMV | P0G0636 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| Tetrachloro-m-xylene | *80 %* | *36-182* |
| Decachlorobiphenyl | *144 %* | *34-182* |

| **Semivolatile Organic Compounds by GC/MS** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | BRL | mg/kg dry | 0.38 | 0.097 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |

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

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

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-2(0-0.5)
Prism Sample ID: 0070698-03
Prism Work Order: 0070698
Time Collected: 07/26/10 13:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | BRL | mg/kg dry | 0.38 | 0.087 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 1,3-Dichlorobenzene | BRL | mg/kg dry | 0.38 | 0.087 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 1,4-Dichlorobenzene | BRL | mg/kg dry | 0.38 | 0.085 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 2,4,6-Trichlorophenol | BRL | mg/kg dry | 0.38 | 0.092 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 2,4-Dichlorophenol | BRL | mg/kg dry | 0.38 | 0.096 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 2,4-Dimethylphenol | BRL | mg/kg dry | 0.38 | 0.098 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 2,4-Dinitrophenol | BRL | mg/kg dry | 0.38 | 0.059 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 2,4-Dinitrotoluene | BRL | mg/kg dry | 0.38 | 0.091 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 2,6-Dinitrotoluene | BRL | mg/kg dry | 0.38 | 0.078 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 2-Chloronaphthalene | BRL | mg/kg dry | 0.38 | 0.090 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 2-Chlorophenol | BRL | mg/kg dry | 0.38 | 0.10 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 2-Methylnaphthalene | BRL | mg/kg dry | 0.38 | 0.12 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 2-Methylphenol | BRL | mg/kg dry | 0.38 | 0.094 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 2-Nitrophenol | BRL | mg/kg dry | 0.38 | 0.086 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg dry | 0.38 | 0.092 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 3/4-Methylphenol | BRL | mg/kg dry | 0.38 | 0.095 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg dry | 0.38 | 0.061 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 4-Bromophenyl phenyl ether | BRL | mg/kg dry | 0.38 | 0.083 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0[illegible] |
| 4-Chloro-3-methylphenol | BRL | mg/kg dry | 0.38 | 0.086 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0[illegible] |
| 4-Chloroaniline | BRL | mg/kg dry | 0.38 | 0.077 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 4-Chlorophenyl phenyl ether | BRL | mg/kg dry | 0.38 | 0.075 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| 4-Nitrophenol | BRL | mg/kg dry | 0.38 | 0.052 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Acenaphthene | BRL | mg/kg dry | 0.38 | 0.082 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Acenaphthylene | BRL | mg/kg dry | 0.38 | 0.086 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Anthracene | BRL | mg/kg dry | 0.38 | 0.086 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Azobenzene | BRL | mg/kg dry | 0.38 | 0.084 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Benzo(a)anthracene | BRL | mg/kg dry | 0.38 | 0.093 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Benzo(a)pyrene | BRL | mg/kg dry | 0.38 | 0.050 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Benzo(b)fluoranthene | BRL | mg/kg dry | 0.38 | 0.079 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Benzo(g,h,i)perylene | BRL | mg/kg dry | 0.38 | 0.068 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Benzo(k)fluoranthene | BRL | mg/kg dry | 0.38 | 0.10 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Benzoic Acid | BRL | mg/kg dry | 0.38 | 0.097 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Benzyl alcohol | BRL | mg/kg dry | 0.38 | 0.094 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| bis(2-Chloroethoxy)methane | BRL | mg/kg dry | 0.38 | 0.10 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Bis(2-Chloroethyl)ether | BRL | mg/kg dry | 0.38 | 0.10 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg dry | 0.38 | 0.10 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Bis(2-Ethylhexyl)phthalate | BRL | mg/kg dry | 0.38 | 0.12 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Butyl benzyl phthalate | BRL | mg/kg dry | 0.38 | 0.11 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Chrysene | BRL | mg/kg dry | 0.38 | 0.084 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Dibenzo(a,h)anthracene | BRL | mg/kg dry | 0.38 | 0.088 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Dibenzofuran | BRL | mg/kg dry | 0.38 | 0.082 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Diethyl phthalate | BRL | mg/kg dry | 0.38 | 0.094 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0[illegible] |
| Dimethyl phthalate | BRL | mg/kg dry | 0.38 | 0.087 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0[illegible] |
| Di-n-butyl phthalate | BRL | mg/kg dry | 0.38 | 0.12 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-2(0-0.5)
Prism Sample ID: 0070698-03
Prism Work Order: 0070698
Time Collected: 07/26/10 13:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | BRL | mg/kg dry | 0.38 | 0.12 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Fluoranthene | BRL | mg/kg dry | 0.38 | 0.099 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Fluorene | BRL | mg/kg dry | 0.38 | 0.083 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Hexachlorobenzene | BRL | mg/kg dry | 0.38 | 0.085 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Hexachlorobutadiene | BRL | mg/kg dry | 0.38 | 0.096 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Hexachlorocyclopentadiene | BRL | mg/kg dry | 0.38 | 0.075 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Hexachloroethane | BRL | mg/kg dry | 0.38 | 0.089 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg dry | 0.38 | 0.095 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Isophorone | BRL | mg/kg dry | 0.38 | 0.087 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Naphthalene | BRL | mg/kg dry | 0.38 | 0.099 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Nitrobenzene | BRL | mg/kg dry | 0.38 | 0.095 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| N-Nitroso-di-n-propylamine | BRL | mg/kg dry | 0.38 | 0.085 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| N-Nitrosodiphenylamine | BRL | mg/kg dry | 0.38 | 0.092 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Pentachlorophenol | BRL | mg/kg dry | 0.38 | 0.10 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Phenanthrene | BRL | mg/kg dry | 0.38 | 0.084 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Phenol | BRL | mg/kg dry | 0.38 | 0.10 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |
| Pyrene | BRL | mg/kg dry | 0.38 | 0.091 | 1 | *8270D | 7/31/10 17:37 | CGP | P0G0626 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| 2,4,6-Tribromophenol | 90 % | 34-134 |
| 2-Fluorobiphenyl | 87 % | 17-122 |
| 2-Fluorophenol | 61 % | 13-108 |
| Nitrobenzene-d5 | 64 % | 11-118 |
| Phenol-d5 | 65 % | 23-109 |
| Terphenyl-d14 | 102 % | 41-156 |

## TCLP Extraction by EPA 1311

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TCLP Extraction | Complete | N/A | | | 1 | *1311 | 7/31/10 10:00 | RWF | P0G0656 |

## TCLP Metals

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | BRL | mg/L | 0.00020 | 0.0000084 | 1 | *7470A | 8/3/10 8:56 | RWF | P0H0021 |

## Total Metals

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **17000** | **mg/kg dry** | **280** | **110** | **100** | ***6010C** | **8/2/10 20:27** | **DJS** | **P0G0603** |
| **Mercury** | **0.21** | **mg/kg dry** | **0.022** | **0.0015** | **1** | ***7471B** | **8/3/10 11:02** | **RWF** | **P0H0022** |
| **Antimony** | **6.2** | **mg/kg dry** | **0.23** | **0.041** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| **Arsenic** | **94** | **mg/kg dry** | **0.57** | **0.064** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| **Barium** | **480** | **mg/kg dry** | **57** | **8.4** | **100** | ***6010C** | **8/2/10 20:27** | **DJS** | **P0G0603** |
| **Beryllium** | **0.39** | **mg/kg dry** | **0.28** | **0.048** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| **Cadmium** | **4.0** | **mg/kg dry** | **0.28** | **0.030** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| **Calcium** | **1500** | **mg/kg dry** | **11** | **4.5** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| **Chromium** | **11** | **mg/kg dry** | **0.28** | **0.039** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| **Cobalt** | **12** | **mg/kg dry** | **0.28** | **0.031** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| **Copper** | **940** | **mg/kg dry** | **57** | **24** | **100** | ***6010C** | **8/2/10 20:27** | **DJS** | **P0G0603** |
| [illegible] | **61000** | **mg/kg dry** | **570** | **190** | **100** | ***6010C** | **8/2/10 20:27** | **DJS** | **P0G0603** |
| **Lead** | **870** | **mg/kg dry** | **28** | **7.0** | **100** | ***6010C** | **8/2/10 20:27** | **DJS** | **P0G0603** |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-2(0-0.5)
Prism Sample ID: 0070698-03
Prism Work Order: 0070698
Time Collected: 07/26/10 13:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **Magnesium** | **590** | **mg/kg dry** | **2.8** | **0.36** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| **Manganese** | **110** | **mg/kg dry** | **0.28** | **0.027** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| **Nickel** | **4.9** | **mg/kg dry** | **1.1** | **0.35** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| **Potassium** | **570** | **mg/kg dry** | **2.8** | **0.99** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| Selenium | BRL | mg/kg dry | 0.57 | 0.11 | 1 | *6010C | 7/29/10 20:31 | DJS | P0G0603 |
| **Silver** | **1.9** | **mg/kg dry** | **0.28** | **0.029** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| **Sodium** | **58** | **mg/kg dry** | **17** | **1.8** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| Thallium | BRL | mg/kg dry | 0.57 | 0.11 | 1 | *6010C | 7/29/10 20:31 | DJS | P0G0603 |
| **Vanadium** | **16** | **mg/kg dry** | **0.28** | **0.020** | **1** | ***6010C** | **7/29/10 20:31** | **DJS** | **P0G0603** |
| **Zinc** | **1600** | **mg/kg dry** | **280** | **29** | **100** | ***6010C** | **8/2/10 20:27** | **DJS** | **P0G0603** |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,1,2-Trichloroethane | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,1-Dichloroethane | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,1-Dichloroethylene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,1-Dichloropropylene | BRL | mg/kg dry | 0.0055 | 0.0012 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg dry | 0.0055 | 0.0018 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G[illegible] |
| 1,2,3-Trichloropropane | BRL | mg/kg dry | 0.0055 | 0.0023 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,2-Dibromoethane | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,2-Dichlorobenzene | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,2-Dichloroethane | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,2-Dichloropropane | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,3-Dichlorobenzene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,3-Dichloropropane | BRL | mg/kg dry | 0.0055 | 0.0011 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 1,4-Dichlorobenzene | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 2,2-Dichloropropane | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 2-Chlorotoluene | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 4-Chlorotoluene | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| 4-Isopropyltoluene | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| **Acetone** | **0.12** | **mg/kg dry** | **0.055** | **0.0024** | **1** | ***8260B** | **7/29/10 0:59** | **KLA** | **P0G0595** |
| Benzene | BRL | mg/kg dry | 0.0033 | 0.0015 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Bromobenzene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Bromochloromethane | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Bromodichloromethane | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Bromoform | BRL | mg/kg dry | 0.0055 | 0.0012 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Bromomethane | BRL | mg/kg dry | 0.011 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Carbon Tetrachloride | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Chlorobenzene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G[illegible] |
| Chloroethane | BRL | mg/kg dry | 0.011 | 0.0029 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-2(0-0.5)
Prism Sample ID: 0070698-03
Prism Work Order: 0070698
Time Collected: 07/26/10 13:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| Chloroform | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Chloromethane | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| cis-1,2-Dichloroethylene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| cis-1,3-Dichloropropylene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Dibromochloromethane | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Dichlorodifluoromethane | BRL | mg/kg dry | 0.0055 | 0.0011 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Ethylbenzene | BRL | mg/kg dry | 0.0055 | 0.0012 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Isopropyl Ether | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Isopropylbenzene (Cumene) | BRL | mg/kg dry | 0.0055 | 0.0012 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| m,p-Xylenes | BRL | mg/kg dry | 0.011 | 0.0029 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Methyl Butyl Ketone (2-Hexanone) | BRL | mg/kg dry | 0.055 | 0.0017 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Methyl Ethyl Ketone (2-Butanone) | BRL | mg/kg dry | 0.11 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Methyl Isobutyl Ketone | BRL | mg/kg dry | 0.055 | 0.0012 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Methylene Chloride | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Methyl-tert-Butyl Ether | BRL | mg/kg dry | 0.011 | 0.0012 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Naphthalene | BRL | mg/kg dry | 0.011 | 0.0030 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| n-Butylbenzene | BRL | mg/kg dry | 0.0055 | 0.0020 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| n-Propylbenzene | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| o-Xylene | BRL | mg/kg dry | 0.0055 | 0.0012 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| sec-Butylbenzene | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Styrene | BRL | mg/kg dry | 0.0055 | 0.0011 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| tert-Butylbenzene | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Tetrachloroethylene | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Toluene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| trans-1,2-Dichloroethylene | BRL | mg/kg dry | 0.0055 | 0.0011 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| trans-1,3-Dichloropropylene | BRL | mg/kg dry | 0.0055 | 0.0011 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Trichloroethylene | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Trichlorofluoromethane | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Vinyl acetate | BRL | mg/kg dry | 0.028 | 0.0038 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Vinyl chloride | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |
| Xylenes, total | BRL | mg/kg dry | 0.017 | 0.0042 | 1 | *8260B | 7/29/10 0:59 | KLA | P0G0595 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| 4-Bromofluorobenzene | *106 %* | *70-130* |
| Dibromofluoromethane | *103 %* | *84-123* |
| Toluene-d8 | *102 %* | *76-129* |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-2(0-0.5)
Prism Sample ID: 0070698-03RE1
Prism Work Order: 0070698
Time Collected: 07/26/10 13:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **TCLP Metals** | | | | | | | | | |
| **Arsenic** | **0.026** | **mg/L** | **0.010** | **0.0019** | **1** | ***6010C** | **8/12/10 19:44** | **DJS** | **P0H0280** |
| **Barium** | **0.88** | **mg/L** | **0.010** | **0.00064** | **1** | ***6010C** | **8/12/10 19:44** | **DJS** | **P0H0280** |
| **Cadmium** | **0.015** | **mg/L** | **0.0010** | **0.00015** | **1** | ***6010C** | **8/12/10 19:44** | **DJS** | **P0H0280** |
| Chromium | BRL | mg/L | 0.0050 | 0.00051 | 1 | *6010C | 8/12/10 19:44 | DJS | P0H0280 |
| **Lead** | **0.15** | **mg/L** | **0.0050** | **0.00057** | **1** | ***6010C** | **8/12/10 19:44** | **DJS** | **P0H0280** |
| Selenium | BRL | mg/L | 0.020 | 0.0028 | 1 | *6010C | 8/12/10 19:44 | DJS | P0H0280 |
| Silver | BRL | mg/L | 0.0050 | 0.00036 | 1 | *6010C | 8/12/10 19:44 | DJS | P0H0280 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-2(1.5-2.0)
Prism Sample ID: 0070698-04
Prism Work Order: 0070698
Time Collected: 07/26/10 13:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | |
| **% Solids** | **79.7** | **% by Weight** | **0.100** | **0.100** | **1** | ***SM2540 G** | **8/2/10 14:00** | **JAB** | **P0H0041** |
| Cyanide | BRL | mg/kg dry | 0.63 | 0.094 | 1 | *9014 | 8/6/10 13:30 | CDE | P0H0139 |
| **Organochlorine Pesticides by GC/ECD** | | | | | | | | | |
| 4,4'-DDD | BRL | ug/kg dry | 2.5 | 0.70 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| 4,4'-DDE | BRL | ug/kg dry | 2.5 | 0.84 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| 4,4'-DDT | BRL | ug/kg dry | 3.7 | 0.61 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Aldrin | BRL | ug/kg dry | 2.5 | 0.55 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| alpha-BHC | BRL | ug/kg dry | 2.5 | 0.55 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| alpha-Chlordane | BRL | ug/kg dry | 2.5 | 0.74 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| beta-BHC | BRL | ug/kg dry | 2.5 | 0.69 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Chlordane | BRL | ug/kg dry | 62 | 7.6 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| delta-BHC | BRL | ug/kg dry | 2.5 | 0.55 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Dieldrin | BRL | ug/kg dry | 2.5 | 0.78 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Endosulfan I | BRL | ug/kg dry | 2.5 | 0.74 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Endosulfan II | BRL | ug/kg dry | 2.5 | 0.55 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Endosulfan Sulfate | BRL | ug/kg dry | 2.5 | 0.81 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Endrin | BRL | ug/kg dry | 2.5 | 0.77 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Endrin Aldehyde | BRL | ug/kg dry | 2.5 | 0.76 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Endrin Ketone | BRL | ug/kg dry | 2.5 | 0.70 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| gamma-BHC | BRL | ug/kg dry | 2.5 | 0.50 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| gamma-Chlordane | BRL | ug/kg dry | 2.5 | 0.63 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Heptachlor | BRL | ug/kg dry | 2.5 | 0.50 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Heptachlor Epoxide | BRL | ug/kg dry | 2.5 | 0.57 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Methoxychlor | BRL | ug/kg dry | 2.5 | 0.74 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |
| Toxaphene | BRL | ug/kg dry | 62 | 6.3 | 1 | *8081B | 8/4/10 2:14 | JMV | P0G0635 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| Decachlorobiphenyl | *87 %* | *26-204* |
| Tetrachloro-m-xylene | *89 %* | *40-162* |

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls (PCBs) by GC/ECD** | | | | | | | | | |
| Aroclor 1016 | BRL | mg/kg | 0.050 | 0.0092 | 1 | *8082A | 8/4/10 2:14 | JMV | P0G0636 |
| Aroclor 1221 | BRL | mg/kg | 0.10 | 0.040 | 1 | *8082A | 8/4/10 2:14 | JMV | P0G0636 |
| Aroclor 1232 | BRL | mg/kg | 0.10 | 0.067 | 1 | *8082A | 8/4/10 2:14 | JMV | P0G0636 |
| Aroclor 1242 | BRL | mg/kg | 0.050 | 0.0040 | 1 | *8082A | 8/4/10 2:14 | JMV | P0G0636 |
| Aroclor 1248 | BRL | mg/kg | 0.050 | 0.010 | 1 | *8082A | 8/4/10 2:14 | JMV | P0G0636 |
| Aroclor 1254 | BRL | mg/kg | 0.050 | 0.0068 | 1 | *8082A | 8/4/10 2:14 | JMV | P0G0636 |
| Aroclor 1260 | BRL | mg/kg | 0.050 | 0.013 | 1 | *8082A | 8/4/10 2:14 | JMV | P0G0636 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| Tetrachloro-m-xylene | *79 %* | *36-182* |
| Decachlorobiphenyl | *83 %* | *34-182* |

| 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 | mg/kg dry | 0.41 | 0.11 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |

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

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

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-2(1.5-2.0)
Prism Sample ID: 0070698-04
Prism Work Order: 0070698
Time Collected: 07/26/10 13:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | BRL | mg/kg dry | 0.41 | 0.094 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 1,3-Dichlorobenzene | BRL | mg/kg dry | 0.41 | 0.095 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 1,4-Dichlorobenzene | BRL | mg/kg dry | 0.41 | 0.093 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 2,4,6-Trichlorophenol | BRL | mg/kg dry | 0.41 | 0.10 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 2,4-Dichlorophenol | BRL | mg/kg dry | 0.41 | 0.10 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 2,4-Dimethylphenol | BRL | mg/kg dry | 0.41 | 0.11 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 2,4-Dinitrophenol | BRL | mg/kg dry | 0.41 | 0.064 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 2,4-Dinitrotoluene | BRL | mg/kg dry | 0.41 | 0.099 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 2,6-Dinitrotoluene | BRL | mg/kg dry | 0.41 | 0.085 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 2-Chloronaphthalene | BRL | mg/kg dry | 0.41 | 0.098 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 2-Chlorophenol | BRL | mg/kg dry | 0.41 | 0.11 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 2-Methylnaphthalene | BRL | mg/kg dry | 0.41 | 0.13 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 2-Methylphenol | BRL | mg/kg dry | 0.41 | 0.10 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 2-Nitrophenol | BRL | mg/kg dry | 0.41 | 0.093 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg dry | 0.41 | 0.10 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 3/4-Methylphenol | BRL | mg/kg dry | 0.41 | 0.10 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg dry | 0.41 | 0.066 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 4-Bromophenyl phenyl ether | BRL | mg/kg dry | 0.41 | 0.090 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0[illegible] |
| 4-Chloro-3-methylphenol | BRL | mg/kg dry | 0.41 | 0.094 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0[illegible] |
| 4-Chloroaniline | BRL | mg/kg dry | 0.41 | 0.084 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 4-Chlorophenyl phenyl ether | BRL | mg/kg dry | 0.41 | 0.081 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| 4-Nitrophenol | BRL | mg/kg dry | 0.41 | 0.056 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Acenaphthene | BRL | mg/kg dry | 0.41 | 0.089 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Acenaphthylene | BRL | mg/kg dry | 0.41 | 0.094 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Anthracene | BRL | mg/kg dry | 0.41 | 0.094 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Azobenzene | BRL | mg/kg dry | 0.41 | 0.091 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Benzo(a)anthracene | BRL | mg/kg dry | 0.41 | 0.10 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Benzo(a)pyrene | BRL | mg/kg dry | 0.41 | 0.055 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Benzo(b)fluoranthene | BRL | mg/kg dry | 0.41 | 0.086 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Benzo(g,h,i)perylene | BRL | mg/kg dry | 0.41 | 0.074 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Benzo(k)fluoranthene | BRL | mg/kg dry | 0.41 | 0.11 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Benzoic Acid | BRL | mg/kg dry | 0.41 | 0.11 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Benzyl alcohol | BRL | mg/kg dry | 0.41 | 0.10 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| bis(2-Chloroethoxy)methane | BRL | mg/kg dry | 0.41 | 0.11 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Bis(2-Chloroethyl)ether | BRL | mg/kg dry | 0.41 | 0.11 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg dry | 0.41 | 0.11 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Bis(2-Ethylhexyl)phthalate | BRL | mg/kg dry | 0.41 | 0.13 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Butyl benzyl phthalate | BRL | mg/kg dry | 0.41 | 0.12 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Chrysene | BRL | mg/kg dry | 0.41 | 0.092 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Dibenzo(a,h)anthracene | BRL | mg/kg dry | 0.41 | 0.095 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Dibenzofuran | BRL | mg/kg dry | 0.41 | 0.089 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Diethyl phthalate | BRL | mg/kg dry | 0.41 | 0.10 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0[illegible] |
| Dimethyl phthalate | BRL | mg/kg dry | 0.41 | 0.095 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G[illegible] |
| Di-n-butyl phthalate | BRL | mg/kg dry | 0.41 | 0.13 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-2(1.5-2.0)
Prism Sample ID: 0070698-04
Prism Work Order: 0070698
Time Collected: 07/26/10 13:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | BRL | mg/kg dry | 0.41 | 0.14 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Fluoranthene | BRL | mg/kg dry | 0.41 | 0.11 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Fluorene | BRL | mg/kg dry | 0.41 | 0.090 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Hexachlorobenzene | BRL | mg/kg dry | 0.41 | 0.092 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Hexachlorobutadiene | BRL | mg/kg dry | 0.41 | 0.10 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Hexachlorocyclopentadiene | BRL | mg/kg dry | 0.41 | 0.082 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Hexachloroethane | BRL | mg/kg dry | 0.41 | 0.097 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg dry | 0.41 | 0.10 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Isophorone | BRL | mg/kg dry | 0.41 | 0.094 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Naphthalene | BRL | mg/kg dry | 0.41 | 0.11 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Nitrobenzene | BRL | mg/kg dry | 0.41 | 0.10 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| N-Nitroso-di-n-propylamine | BRL | mg/kg dry | 0.41 | 0.092 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| N-Nitrosodiphenylamine | BRL | mg/kg dry | 0.41 | 0.10 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Pentachlorophenol | BRL | mg/kg dry | 0.41 | 0.11 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Phenanthrene | BRL | mg/kg dry | 0.41 | 0.091 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Phenol | BRL | mg/kg dry | 0.41 | 0.11 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |
| Pyrene | BRL | mg/kg dry | 0.41 | 0.099 | 1 | *8270D | 7/30/10 22:33 | CGP | P0G0626 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| 2,4,6-Tribromophenol | 73 % | 34-134 |
| 2-Fluorobiphenyl | 63 % | 17-122 |
| 2-Fluorophenol | 55 % | 13-108 |
| Nitrobenzene-d5 | 58 % | 11-118 |
| Phenol-d5 | 53 % | 23-109 |
| Terphenyl-d14 | 80 % | 41-156 |

## TCLP Extraction by EPA 1311

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TCLP Extraction | Complete | N/A | | | 1 | *1311 | 7/31/10 10:00 | RWF | P0G0656 |

## TCLP Metals

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | BRL | mg/L | 0.00020 | 0.0000084 | 1 | *7470A | 8/3/10 9:07 | RWF | P0H0021 |

## Total Metals

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **73000** | **mg/kg dry** | **310** | **130** | **100** | ***6010C** | **8/2/10 20:34** | **DJS** | **P0G0603** |
| **Mercury** | **0.14** | **mg/kg dry** | **0.025** | **0.0017** | **1** | ***7471B** | **8/3/10 11:07** | **RWF** | **P0H0022** |
| **Antimony** | **0.28** | **mg/kg dry** | **0.25** | **0.045** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| **Arsenic** | **9.0** | **mg/kg dry** | **0.62** | **0.070** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| **Barium** | **32** | **mg/kg dry** | **0.62** | **0.092** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| **Beryllium** | **0.86** | **mg/kg dry** | **0.31** | **0.053** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| **Cadmium** | **1.5** | **mg/kg dry** | **0.31** | **0.033** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| **Calcium** | **640** | **mg/kg dry** | **12** | **5.0** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| **Chromium** | **32** | **mg/kg dry** | **0.31** | **0.043** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| **Cobalt** | **2.1** | **mg/kg dry** | **0.31** | **0.035** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| **Copper** | **540** | **mg/kg dry** | **62** | **27** | **100** | ***6010C** | **8/2/10 20:34** | **DJS** | **P0G0603** |
| **[illegible]** | **46000** | **mg/kg dry** | **620** | **210** | **100** | ***6010C** | **8/2/10 20:34** | **DJS** | **P0G0603** |
| **Lead** | **42** | **mg/kg dry** | **0.31** | **0.077** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-2(1.5-2.0)
Prism Sample ID: 0070698-04
Prism Work Order: 0070698
Time Collected: 07/26/10 13:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **Magnesium** | **620** | **mg/kg dry** | **3.1** | **0.40** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| **Manganese** | **42** | **mg/kg dry** | **0.31** | **0.030** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| **Nickel** | **6.1** | **mg/kg dry** | **1.2** | **0.38** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| **Potassium** | **1200** | **mg/kg dry** | **3.1** | **1.1** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| Selenium | BRL | mg/kg dry | 0.62 | 0.13 | 1 | *6010C | 7/29/10 20:38 | DJS | P0G0603 |
| Silver | BRL | mg/kg dry | 0.31 | 0.032 | 1 | *6010C | 7/29/10 20:38 | DJS | P0G0603 |
| **Sodium** | **34** | **mg/kg dry** | **19** | **1.9** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| Thallium | BRL | mg/kg dry | 0.62 | 0.12 | 1 | *6010C | 7/29/10 20:38 | DJS | P0G0603 |
| **Vanadium** | **57** | **mg/kg dry** | **0.31** | **0.022** | **1** | ***6010C** | **7/29/10 20:38** | **DJS** | **P0G0603** |
| **Zinc** | **310** | **mg/kg dry** | **160** | **16** | **50** | ***6010C** | **8/2/10 21:17** | **DJS** | **P0G0603** |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg dry | 0.0060 | 0.0014 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg dry | 0.0060 | 0.0017 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,1,2-Trichloroethane | BRL | mg/kg dry | 0.0060 | 0.0017 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,1-Dichloroethane | BRL | mg/kg dry | 0.0060 | 0.0015 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,1-Dichloroethylene | BRL | mg/kg dry | 0.0060 | 0.0014 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,1-Dichloropropylene | BRL | mg/kg dry | 0.0060 | 0.0012 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg dry | 0.0060 | 0.0020 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0 |
| 1,2,3-Trichloropropane | BRL | mg/kg dry | 0.0060 | 0.0025 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg dry | 0.0060 | 0.0016 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg dry | 0.0060 | 0.0015 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,2-Dibromoethane | BRL | mg/kg dry | 0.0060 | 0.0017 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,2-Dichlorobenzene | BRL | mg/kg dry | 0.0060 | 0.0016 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,2-Dichloroethane | BRL | mg/kg dry | 0.0060 | 0.0015 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,2-Dichloropropane | BRL | mg/kg dry | 0.0060 | 0.0018 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg dry | 0.0060 | 0.0016 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,3-Dichlorobenzene | BRL | mg/kg dry | 0.0060 | 0.0014 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,3-Dichloropropane | BRL | mg/kg dry | 0.0060 | 0.0012 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 1,4-Dichlorobenzene | BRL | mg/kg dry | 0.0060 | 0.0015 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 2,2-Dichloropropane | BRL | mg/kg dry | 0.0060 | 0.0014 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 2-Chlorotoluene | BRL | mg/kg dry | 0.0060 | 0.0015 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 4-Chlorotoluene | BRL | mg/kg dry | 0.0060 | 0.0015 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| 4-Isopropyltoluene | BRL | mg/kg dry | 0.0060 | 0.0017 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Acetone | BRL | mg/kg dry | 0.060 | 0.0026 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Benzene | BRL | mg/kg dry | 0.0036 | 0.0016 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Bromobenzene | BRL | mg/kg dry | 0.0060 | 0.0014 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Bromochloromethane | BRL | mg/kg dry | 0.0060 | 0.0016 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Bromodichloromethane | BRL | mg/kg dry | 0.0060 | 0.0014 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Bromoform | BRL | mg/kg dry | 0.0060 | 0.0013 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Bromomethane | BRL | mg/kg dry | 0.012 | 0.0015 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Carbon Tetrachloride | BRL | mg/kg dry | 0.0060 | 0.0017 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Chlorobenzene | BRL | mg/kg dry | 0.0060 | 0.0014 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G |
| Chloroethane | BRL | mg/kg dry | 0.012 | 0.0031 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-2(1.5-2.0)
Prism Sample ID: 0070698-04
Prism Work Order: 0070698
Time Collected: 07/26/10 13:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| Chloroform | BRL | mg/kg dry | 0.0060 | 0.0015 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Chloromethane | BRL | mg/kg dry | 0.0060 | 0.0014 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| cis-1,2-Dichloroethylene | BRL | mg/kg dry | 0.0060 | 0.0014 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| cis-1,3-Dichloropropylene | BRL | mg/kg dry | 0.0060 | 0.0014 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Dibromochloromethane | BRL | mg/kg dry | 0.0060 | 0.0015 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Dichlorodifluoromethane | BRL | mg/kg dry | 0.0060 | 0.0012 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Ethylbenzene | BRL | mg/kg dry | 0.0060 | 0.0012 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Isopropyl Ether | BRL | mg/kg dry | 0.0060 | 0.0015 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Isopropylbenzene (Cumene) | BRL | mg/kg dry | 0.0060 | 0.0013 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| m,p-Xylenes | BRL | mg/kg dry | 0.012 | 0.0032 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Methyl Butyl Ketone (2-Hexanone) | BRL | mg/kg dry | 0.060 | 0.0018 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Methyl Ethyl Ketone (2-Butanone) | BRL | mg/kg dry | 0.12 | 0.0015 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Methyl Isobutyl Ketone | BRL | mg/kg dry | 0.060 | 0.0013 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Methylene Chloride | BRL | mg/kg dry | 0.0060 | 0.0016 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Methyl-tert-Butyl Ether | BRL | mg/kg dry | 0.012 | 0.0012 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Naphthalene | BRL | mg/kg dry | 0.012 | 0.0032 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| n-Butylbenzene | BRL | mg/kg dry | 0.0060 | 0.0022 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| n-Propylbenzene | BRL | mg/kg dry | 0.0060 | 0.0017 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| o-Xylene | BRL | mg/kg dry | 0.0060 | 0.0013 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| sec-Butylbenzene | BRL | mg/kg dry | 0.0060 | 0.0016 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Styrene | BRL | mg/kg dry | 0.0060 | 0.0012 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| tert-Butylbenzene | BRL | mg/kg dry | 0.0060 | 0.0016 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Tetrachloroethylene | BRL | mg/kg dry | 0.0060 | 0.0015 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Toluene | BRL | mg/kg dry | 0.0060 | 0.0014 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| trans-1,2-Dichloroethylene | BRL | mg/kg dry | 0.0060 | 0.0012 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| trans-1,3-Dichloropropylene | BRL | mg/kg dry | 0.0060 | 0.0012 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Trichloroethylene | BRL | mg/kg dry | 0.0060 | 0.0017 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Trichlorofluoromethane | BRL | mg/kg dry | 0.0060 | 0.0017 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Vinyl acetate | BRL | mg/kg dry | 0.030 | 0.0041 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Vinyl chloride | BRL | mg/kg dry | 0.0060 | 0.0016 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |
| Xylenes, total | BRL | mg/kg dry | 0.018 | 0.0045 | 1 | *8260B | 7/29/10 1:33 | KLA | P0G0595 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| 4-Bromofluorobenzene | *103 %* | *70-130* |
| Dibromofluoromethane | *103 %* | *84-123* |
| Toluene-d8 | *101 %* | *76-129* |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-2(1.5-2.0)
Prism Sample ID: 0070698-04RE1
Prism Work Order: 0070698
Time Collected: 07/26/10 13:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **TCLP Metals** | | | | | | | | | |
| Arsenic | BRL | mg/L | 0.010 | 0.0019 | 1 | *6010C | 8/12/10 19:51 | DJS | P0H0280 |
| **Barium** | **0.17** | **mg/L** | **0.010** | **0.00064** | **1** | ***6010C** | **8/12/10 19:51** | **DJS** | **P0H0280** |
| **Cadmium** | **0.012** | **mg/L** | **0.0010** | **0.00015** | **1** | ***6010C** | **8/12/10 19:51** | **DJS** | **P0H0280** |
| Chromium | BRL | mg/L | 0.0050 | 0.00051 | 1 | *6010C | 8/12/10 19:51 | DJS | P0H0280 |
| **Lead** | **0.056** | **mg/L** | **0.0050** | **0.00057** | **1** | ***6010C** | **8/12/10 19:51** | **DJS** | **P0H0280** |
| Selenium | BRL | mg/L | 0.020 | 0.0028 | 1 | *6010C | 8/12/10 19:51 | DJS | P0H0280 |
| Silver | BRL | mg/L | 0.0050 | 0.00036 | 1 | *6010C | 8/12/10 19:51 | DJS | P0H0280 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-3(0-0.5)
Prism Sample ID: 0070698-05
Prism Work Order: 0070698
Time Collected: 07/26/10 14:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | |
| **% Solids** | **85.1** | **% by Weight** | **0.100** | **0.100** | **1** | ***SM2540 G** | **8/2/10 14:00** | **JAB** | **P0H0041** |
| Cyanide | BRL | mg/kg dry | 0.59 | 0.088 | 1 | *9014 | 8/6/10 13:30 | CDE | P0H0139 |
| **Organochlorine Pesticides by GC/ECD** | | | | | | | | | Aa |
| 4,4'-DDD | BRL | ug/kg dry | 9.3 | 2.6 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| 4,4'-DDE | BRL | ug/kg dry | 9.3 | 3.1 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| 4,4'-DDT | BRL | ug/kg dry | 14 | 2.3 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Aldrin | BRL | ug/kg dry | 9.3 | 2.0 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| alpha-BHC | BRL | ug/kg dry | 9.3 | 2.0 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| alpha-Chlordane | BRL | ug/kg dry | 9.3 | 2.8 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| beta-BHC | BRL | ug/kg dry | 9.3 | 2.6 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Chlordane | BRL | ug/kg dry | 230 | 28 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| delta-BHC | BRL | ug/kg dry | 9.3 | 2.0 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Dieldrin | BRL | ug/kg dry | 9.3 | 2.9 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Endosulfan I | BRL | ug/kg dry | 9.3 | 2.8 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Endosulfan II | BRL | ug/kg dry | 9.3 | 2.0 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Endosulfan Sulfate | BRL | ug/kg dry | 9.3 | 3.0 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Endrin | BRL | ug/kg dry | 9.3 | 2.9 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Endrin Aldehyde | BRL | ug/kg dry | 9.3 | 2.8 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Endrin Ketone | BRL | ug/kg dry | 9.3 | 2.6 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| gamma-BHC | BRL | ug/kg dry | 9.3 | 1.9 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| gamma-Chlordane | BRL | ug/kg dry | 9.3 | 2.4 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Heptachlor | BRL | ug/kg dry | 9.3 | 1.9 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Heptachlor Epoxide | BRL | ug/kg dry | 9.3 | 2.1 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Methoxychlor | BRL | ug/kg dry | 9.3 | 2.8 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |
| Toxaphene | BRL | ug/kg dry | 230 | 24 | 4 | *8081B | 8/4/10 14:40 | JMV | P0G0635 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| Decachlorobiphenyl | *52 %* | *26-204* |
| Tetrachloro-m-xylene | *64 %* | *40-162* |

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls (PCBs) by GC/ECD** | | | | | | | | | |
| Aroclor 1016 | BRL | mg/kg | 0.20 | 0.037 | 4 | *8082A | 8/4/10 14:40 | JMV | P0G0636 |
| Aroclor 1221 | BRL | mg/kg | 0.40 | 0.16 | 4 | *8082A | 8/4/10 14:40 | JMV | P0G0636 |
| Aroclor 1232 | BRL | mg/kg | 0.40 | 0.27 | 4 | *8082A | 8/4/10 14:40 | JMV | P0G0636 |
| Aroclor 1242 | BRL | mg/kg | 0.20 | 0.016 | 4 | *8082A | 8/4/10 14:40 | JMV | P0G0636 |
| Aroclor 1248 | BRL | mg/kg | 0.20 | 0.040 | 4 | *8082A | 8/4/10 14:40 | JMV | P0G0636 |
| Aroclor 1254 | BRL | mg/kg | 0.20 | 0.027 | 4 | *8082A | 8/4/10 14:40 | JMV | P0G0636 |
| Aroclor 1260 | BRL | mg/kg | 0.20 | 0.052 | 4 | *8082A | 8/4/10 14:40 | JMV | P0G0636 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| Tetrachloro-m-xylene | *56 %* | *36-182* |
| Decachlorobiphenyl | *44 %* | *34-182* |

| 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 | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-3(0-0.5)
Prism Sample ID: 0070698-05
Prism Work Order: 0070698
Time Collected: 07/26/10 14:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | BRL | mg/kg dry | 0.39 | 0.089 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 1,3-Dichlorobenzene | BRL | mg/kg dry | 0.39 | 0.090 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 1,4-Dichlorobenzene | BRL | mg/kg dry | 0.39 | 0.088 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 2,4,6-Trichlorophenol | BRL | mg/kg dry | 0.39 | 0.094 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 2,4-Dichlorophenol | BRL | mg/kg dry | 0.39 | 0.099 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 2,4-Dimethylphenol | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 2,4-Dinitrophenol | BRL | mg/kg dry | 0.39 | 0.061 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 2,4-Dinitrotoluene | BRL | mg/kg dry | 0.39 | 0.094 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 2,6-Dinitrotoluene | BRL | mg/kg dry | 0.39 | 0.081 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 2-Chloronaphthalene | BRL | mg/kg dry | 0.39 | 0.093 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 2-Chlorophenol | BRL | mg/kg dry | 0.39 | 0.11 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| **2-Methylnaphthalene** | **0.41** | **mg/kg dry** | **0.39** | **0.12** | **1** | ***8270D** | **7/31/10 18:09** | **CGP** | **P0G0626** |
| 2-Methylphenol | BRL | mg/kg dry | 0.39 | 0.097 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 2-Nitrophenol | BRL | mg/kg dry | 0.39 | 0.088 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg dry | 0.39 | 0.095 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 3/4-Methylphenol | BRL | mg/kg dry | 0.39 | 0.098 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg dry | 0.39 | 0.062 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 4-Bromophenyl phenyl ether | BRL | mg/kg dry | 0.39 | 0.085 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G[illegible] |
| 4-Chloro-3-methylphenol | BRL | mg/kg dry | 0.39 | 0.089 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G[illegible] |
| 4-Chloroaniline | BRL | mg/kg dry | 0.39 | 0.079 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 4-Chlorophenyl phenyl ether | BRL | mg/kg dry | 0.39 | 0.077 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| 4-Nitrophenol | BRL | mg/kg dry | 0.39 | 0.053 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Acenaphthene | BRL | mg/kg dry | 0.39 | 0.084 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Acenaphthylene | BRL | mg/kg dry | 0.39 | 0.089 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Anthracene | BRL | mg/kg dry | 0.39 | 0.089 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Azobenzene | BRL | mg/kg dry | 0.39 | 0.086 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Benzo(a)anthracene | BRL | mg/kg dry | 0.39 | 0.095 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Benzo(a)pyrene | BRL | mg/kg dry | 0.39 | 0.052 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Benzo(b)fluoranthene | BRL | mg/kg dry | 0.39 | 0.081 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Benzo(g,h,i)perylene | BRL | mg/kg dry | 0.39 | 0.070 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Benzo(k)fluoranthene | BRL | mg/kg dry | 0.39 | 0.11 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Benzoic Acid | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Benzyl alcohol | BRL | mg/kg dry | 0.39 | 0.096 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| bis(2-Chloroethoxy)methane | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Bis(2-Chloroethyl)ether | BRL | mg/kg dry | 0.39 | 0.11 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Bis(2-Ethylhexyl)phthalate | BRL | mg/kg dry | 0.39 | 0.12 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Butyl benzyl phthalate | BRL | mg/kg dry | 0.39 | 0.12 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| **Chrysene** | **0.41** | **mg/kg dry** | **0.39** | **0.087** | **1** | ***8270D** | **7/31/10 18:09** | **CGP** | **P0G0626** |
| Dibenzo(a,h)anthracene | BRL | mg/kg dry | 0.39 | 0.090 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Dibenzofuran | BRL | mg/kg dry | 0.39 | 0.084 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Diethyl phthalate | BRL | mg/kg dry | 0.39 | 0.097 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G[illegible] |
| Dimethyl phthalate | BRL | mg/kg dry | 0.39 | 0.089 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G[illegible] |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-3(0-0.5)
Prism Sample ID: 0070698-05
Prism Work Order: 0070698
Time Collected: 07/26/10 14:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| Di-n-butyl phthalate | BRL | mg/kg dry | 0.39 | 0.13 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Di-n-octyl phthalate | BRL | mg/kg dry | 0.39 | 0.13 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Fluoranthene | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Fluorene | BRL | mg/kg dry | 0.39 | 0.085 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Hexachlorobenzene | BRL | mg/kg dry | 0.39 | 0.087 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Hexachlorobutadiene | BRL | mg/kg dry | 0.39 | 0.099 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Hexachlorocyclopentadiene | BRL | mg/kg dry | 0.39 | 0.077 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Hexachloroethane | BRL | mg/kg dry | 0.39 | 0.092 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg dry | 0.39 | 0.098 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Isophorone | BRL | mg/kg dry | 0.39 | 0.089 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Naphthalene | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Nitrobenzene | BRL | mg/kg dry | 0.39 | 0.098 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| N-Nitroso-di-n-propylamine | BRL | mg/kg dry | 0.39 | 0.087 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| N-Nitrosodiphenylamine | BRL | mg/kg dry | 0.39 | 0.094 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| Pentachlorophenol | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| **Phenanthrene** | **0.51** | **mg/kg dry** | **0.39** | **0.086** | **1** | ***8270D** | **7/31/10 18:09** | **CGP** | **P0G0626** |
| Phenol | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/31/10 18:09 | CGP | P0G0626 |
| **Pyrene** | **0.45** | **mg/kg dry** | **0.39** | **0.094** | **1** | ***8270D** | **7/31/10 18:09** | **CGP** | **P0G0626** |

| Surrogate | Recovery | Control Limits | |
|---|---|---|---|
| 2,4,6-Tribromophenol | *29 %* | *34-134* | *Ab* |
| 2-Fluorobiphenyl | *40 %* | *17-122* | |
| 2-Fluorophenol | *20 %* | *13-108* | |
| Nitrobenzene-d5 | *31 %* | *11-118* | |
| Phenol-d5 | *19 %* | *23-109* | *Ab* |
| Terphenyl-d14 | *41 %* | *41-156* | |

## TCLP Extraction by EPA 1311

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TCLP Extraction | Complete | N/A | | | 1 | *1311 | 7/31/10 10:00 | RWF | P0G0656 |

## TCLP Metals

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | BRL | mg/L | 0.00020 | 0.0000084 | 1 | *7470A | 8/3/10 9:11 | RWF | P0H0021 |

## Total Metals

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **15000** | **mg/kg dry** | **290** | **120** | **100** | ***6010C** | **8/2/10 20:41** | **DJS** | **P0G0603** |
| **Mercury** | **1.2** | **mg/kg dry** | **0.049** | **0.0035** | **2** | ***7471B** | **8/3/10 11:22** | **RWF** | **P0H0022** |
| **Antimony** | **9.6** | **mg/kg dry** | **0.24** | **0.043** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| **Arsenic** | **680** | **mg/kg dry** | **59** | **6.6** | **100** | ***6010C** | **8/2/10 20:41** | **DJS** | **P0G0603** |
| **Barium** | **510** | **mg/kg dry** | **59** | **8.7** | **100** | ***6010C** | **8/2/10 20:41** | **DJS** | **P0G0603** |
| **Beryllium** | **0.48** | **mg/kg dry** | **0.29** | **0.050** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| **Cadmium** | **11** | **mg/kg dry** | **0.29** | **0.031** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| **Calcium** | **1800** | **mg/kg dry** | **1200** | **470** | **100** | ***6010C** | **8/2/10 20:41** | **DJS** | **P0G0603** |
| **Chromium** | **4.9** | **mg/kg dry** | **0.29** | **0.040** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| **Cobalt** | **19** | **mg/kg dry** | **0.29** | **0.033** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| **Copper** | **1700** | **mg/kg dry** | **59** | **25** | **100** | ***6010C** | **8/2/10 20:41** | **DJS** | **P0G0603** |
| **Iron** | **110000** | **mg/kg dry** | **590** | **200** | **100** | ***6010C** | **8/2/10 20:41** | **DJS** | **P0G0603** |

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

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

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-3(0-0.5)
Prism Sample ID: 0070698-05
Prism Work Order: 0070698
Time Collected: 07/26/10 14:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **Lead** | **1700** | **mg/kg dry** | **29** | **7.3** | **100** | ***6010C** | **8/2/10 20:41** | **DJS** | **P0G0603** |
| **Magnesium** | **770** | **mg/kg dry** | **2.9** | **0.38** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| **Manganese** | **97** | **mg/kg dry** | **0.29** | **0.028** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| **Nickel** | **4.1** | **mg/kg dry** | **1.2** | **0.36** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| **Potassium** | **1100** | **mg/kg dry** | **2.9** | **1.0** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| Selenium | BRL | mg/kg dry | 0.59 | 0.12 | 1 | *6010C | 7/29/10 21:00 | DJS | P0G0603 |
| **Silver** | **5.7** | **mg/kg dry** | **0.29** | **0.030** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| **Sodium** | **490** | **mg/kg dry** | **18** | **1.8** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| **Thallium** | **8.4** | **mg/kg dry** | **0.59** | **0.11** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| **Vanadium** | **16** | **mg/kg dry** | **0.29** | **0.021** | **1** | ***6010C** | **7/29/10 21:00** | **DJS** | **P0G0603** |
| **Zinc** | **2900** | **mg/kg dry** | **290** | **30** | **100** | ***6010C** | **8/2/10 20:41** | **DJS** | **P0G0603** |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg dry | 0.0054 | 0.0012 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg dry | 0.0054 | 0.0015 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,1,2-Trichloroethane | BRL | mg/kg dry | 0.0054 | 0.0015 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,1-Dichloroethane | BRL | mg/kg dry | 0.0054 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,1-Dichloroethylene | BRL | mg/kg dry | 0.0054 | 0.0013 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0[illegible] |
| 1,1-Dichloropropylene | BRL | mg/kg dry | 0.0054 | 0.0011 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0[illegible] |
| 1,2,3-Trichlorobenzene | BRL | mg/kg dry | 0.0054 | 0.0018 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,2,3-Trichloropropane | BRL | mg/kg dry | 0.0054 | 0.0022 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg dry | 0.0054 | 0.0015 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg dry | 0.0054 | 0.0013 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,2-Dibromoethane | BRL | mg/kg dry | 0.0054 | 0.0015 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,2-Dichlorobenzene | BRL | mg/kg dry | 0.0054 | 0.0015 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,2-Dichloroethane | BRL | mg/kg dry | 0.0054 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,2-Dichloropropane | BRL | mg/kg dry | 0.0054 | 0.0016 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg dry | 0.0054 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,3-Dichlorobenzene | BRL | mg/kg dry | 0.0054 | 0.0013 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,3-Dichloropropane | BRL | mg/kg dry | 0.0054 | 0.0011 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 1,4-Dichlorobenzene | BRL | mg/kg dry | 0.0054 | 0.0013 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 2,2-Dichloropropane | BRL | mg/kg dry | 0.0054 | 0.0013 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 2-Chlorotoluene | BRL | mg/kg dry | 0.0054 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 4-Chlorotoluene | BRL | mg/kg dry | 0.0054 | 0.0013 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| 4-Isopropyltoluene | BRL | mg/kg dry | 0.0054 | 0.0016 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Acetone | BRL | mg/kg dry | 0.054 | 0.0023 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Benzene | BRL | mg/kg dry | 0.0032 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Bromobenzene | BRL | mg/kg dry | 0.0054 | 0.0013 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Bromochloromethane | BRL | mg/kg dry | 0.0054 | 0.0015 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Bromodichloromethane | BRL | mg/kg dry | 0.0054 | 0.0012 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Bromoform | BRL | mg/kg dry | 0.0054 | 0.0012 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Bromomethane | BRL | mg/kg dry | 0.011 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0[illegible] |
| Carbon Tetrachloride | BRL | mg/kg dry | 0.0054 | 0.0016 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0[illegible] |
| Chlorobenzene | BRL | mg/kg dry | 0.0054 | 0.0012 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-3(0-0.5)
Prism Sample ID: 0070698-05
Prism Work Order: 0070698
Time Collected: 07/26/10 14:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| Chloroethane | BRL | mg/kg dry | 0.011 | 0.0028 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Chloroform | BRL | mg/kg dry | 0.0054 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Chloromethane | BRL | mg/kg dry | 0.0054 | 0.0013 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| cis-1,2-Dichloroethylene | BRL | mg/kg dry | 0.0054 | 0.0013 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| cis-1,3-Dichloropropylene | BRL | mg/kg dry | 0.0054 | 0.0013 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Dibromochloromethane | BRL | mg/kg dry | 0.0054 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Dichlorodifluoromethane | BRL | mg/kg dry | 0.0054 | 0.0011 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Ethylbenzene | BRL | mg/kg dry | 0.0054 | 0.0011 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Isopropyl Ether | BRL | mg/kg dry | 0.0054 | 0.0013 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Isopropylbenzene (Cumene) | BRL | mg/kg dry | 0.0054 | 0.0012 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| m,p-Xylenes | BRL | mg/kg dry | 0.011 | 0.0029 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Methyl Butyl Ketone (2-Hexanone) | BRL | mg/kg dry | 0.054 | 0.0016 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Methyl Ethyl Ketone (2-Butanone) | BRL | mg/kg dry | 0.11 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Methyl Isobutyl Ketone | BRL | mg/kg dry | 0.054 | 0.0012 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Methylene Chloride | BRL | mg/kg dry | 0.0054 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Methyl-tert-Butyl Ether | BRL | mg/kg dry | 0.011 | 0.0011 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Naphthalene | BRL | mg/kg dry | 0.011 | 0.0029 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| n-Butylbenzene | BRL | mg/kg dry | 0.0054 | 0.0020 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| n-Propylbenzene | BRL | mg/kg dry | 0.0054 | 0.0015 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| o-Xylene | BRL | mg/kg dry | 0.0054 | 0.0012 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| sec-Butylbenzene | BRL | mg/kg dry | 0.0054 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Styrene | BRL | mg/kg dry | 0.0054 | 0.0010 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| tert-Butylbenzene | BRL | mg/kg dry | 0.0054 | 0.0015 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Tetrachloroethylene | BRL | mg/kg dry | 0.0054 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Toluene | BRL | mg/kg dry | 0.0054 | 0.0013 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| trans-1,2-Dichloroethylene | BRL | mg/kg dry | 0.0054 | 0.0011 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| trans-1,3-Dichloropropylene | BRL | mg/kg dry | 0.0054 | 0.0011 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Trichloroethylene | BRL | mg/kg dry | 0.0054 | 0.0015 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Trichlorofluoromethane | BRL | mg/kg dry | 0.0054 | 0.0015 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Vinyl acetate | BRL | mg/kg dry | 0.027 | 0.0037 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Vinyl chloride | BRL | mg/kg dry | 0.0054 | 0.0014 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |
| Xylenes, total | BRL | mg/kg dry | 0.016 | 0.0041 | 1 | *8260B | 7/29/10 2:07 | KLA | P0G0595 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| 4-Bromofluorobenzene | *110 %* | *70-130* |
| Dibromofluoromethane | *103 %* | *84-123* |
| Toluene-d8 | *105 %* | *76-129* |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-3(0-0.5)
Prism Sample ID: 0070698-05RE1
Prism Work Order: 0070698
Time Collected: 07/26/10 14:00
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **TCLP Metals** | | | | | | | | | |
| Arsenic | BRL | mg/L | 0.010 | 0.0019 | 1 | *6010C | 8/12/10 19:58 | DJS | P0H0280 |
| **Barium** | **0.31** | **mg/L** | **0.010** | **0.00064** | **1** | ***6010C** | **8/12/10 19:58** | **DJS** | **P0H0280** |
| **Cadmium** | **0.054** | **mg/L** | **0.0010** | **0.00015** | **1** | ***6010C** | **8/12/10 19:58** | **DJS** | **P0H0280** |
| Chromium | BRL | mg/L | 0.0050 | 0.00051 | 1 | *6010C | 8/12/10 19:58 | DJS | P0H0280 |
| **Lead** | **0.43** | **mg/L** | **0.0050** | **0.00057** | **1** | ***6010C** | **8/12/10 19:58** | **DJS** | **P0H0280** |
| Selenium | BRL | mg/L | 0.020 | 0.0028 | 1 | *6010C | 8/12/10 19:58 | DJS | P0H0280 |
| Silver | BRL | mg/L | 0.0050 | 0.00036 | 1 | *6010C | 8/12/10 19:58 | DJS | P0H0280 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-3(1.5-2.0)
Prism Sample ID: 0070698-06
Prism Work Order: 0070698
Time Collected: 07/26/10 14:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | |
| **% Solids** | **83.2** | **% by Weight** | **0.100** | **0.100** | **1** | ***SM2540 G** | **8/2/10 14:00** | **JAB** | **P0H0041** |
| Cyanide | BRL | mg/kg dry | 0.60 | 0.090 | 1 | *9014 | 8/6/10 13:30 | CDE | P0H0139 |
| **Organochlorine Pesticides by GC/ECD** | | | | | | | | | |
| 4,4'-DDD | BRL | ug/kg dry | 2.4 | 0.68 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| 4,4'-DDE | BRL | ug/kg dry | 2.4 | 0.81 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| 4,4'-DDT | BRL | ug/kg dry | 3.6 | 0.60 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Aldrin | BRL | ug/kg dry | 2.4 | 0.53 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| alpha-BHC | BRL | ug/kg dry | 2.4 | 0.53 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| alpha-Chlordane | BRL | ug/kg dry | 2.4 | 0.72 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| beta-BHC | BRL | ug/kg dry | 2.4 | 0.67 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Chlordane | BRL | ug/kg dry | 61 | 7.4 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| delta-BHC | BRL | ug/kg dry | 2.4 | 0.53 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Dieldrin | BRL | ug/kg dry | 2.4 | 0.76 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Endosulfan I | BRL | ug/kg dry | 2.4 | 0.72 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Endosulfan II | BRL | ug/kg dry | 2.4 | 0.53 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Endosulfan Sulfate | BRL | ug/kg dry | 2.4 | 0.79 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Endrin | BRL | ug/kg dry | 2.4 | 0.75 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Endrin Aldehyde | BRL | ug/kg dry | 2.4 | 0.74 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Endrin Ketone | BRL | ug/kg dry | 2.4 | 0.68 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| gamma-BHC | BRL | ug/kg dry | 2.4 | 0.48 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| gamma-Chlordane | BRL | ug/kg dry | 2.4 | 0.62 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Heptachlor | BRL | ug/kg dry | 2.4 | 0.48 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Heptachlor Epoxide | BRL | ug/kg dry | 2.4 | 0.56 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Methoxychlor | BRL | ug/kg dry | 2.4 | 0.72 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |
| Toxaphene | BRL | ug/kg dry | 61 | 6.2 | 1 | *8081B | 8/4/10 9:11 | JMV | P0G0635 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| Decachlorobiphenyl | *79 %* | *26-204* |
| Tetrachloro-m-xylene | *87 %* | *40-162* |

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls (PCBs) by GC/ECD** | | | | | | | | | |
| Aroclor 1016 | BRL | mg/kg | 0.050 | 0.0092 | 1 | *8082A | 8/4/10 9:11 | JMV | P0G0636 |
| Aroclor 1221 | BRL | mg/kg | 0.10 | 0.040 | 1 | *8082A | 8/4/10 9:11 | JMV | P0G0636 |
| Aroclor 1232 | BRL | mg/kg | 0.10 | 0.067 | 1 | *8082A | 8/4/10 9:11 | JMV | P0G0636 |
| Aroclor 1242 | BRL | mg/kg | 0.050 | 0.0040 | 1 | *8082A | 8/4/10 9:11 | JMV | P0G0636 |
| Aroclor 1248 | BRL | mg/kg | 0.050 | 0.010 | 1 | *8082A | 8/4/10 9:11 | JMV | P0G0636 |
| Aroclor 1254 | BRL | mg/kg | 0.050 | 0.0068 | 1 | *8082A | 8/4/10 9:11 | JMV | P0G0636 |
| Aroclor 1260 | BRL | mg/kg | 0.050 | 0.013 | 1 | *8082A | 8/4/10 9:11 | JMV | P0G0636 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| Tetrachloro-m-xylene | *77 %* | *36-182* |
| Decachlorobiphenyl | *74 %* | *34-182* |

| 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 | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-3(1.5-2.0)
Prism Sample ID: 0070698-06
Prism Work Order: 0070698
Time Collected: 07/26/10 14:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | BRL | mg/kg dry | 0.39 | 0.090 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 1,3-Dichlorobenzene | BRL | mg/kg dry | 0.39 | 0.091 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 1,4-Dichlorobenzene | BRL | mg/kg dry | 0.39 | 0.089 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 2,4,6-Trichlorophenol | BRL | mg/kg dry | 0.39 | 0.095 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 2,4-Dichlorophenol | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 2,4-Dimethylphenol | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 2,4-Dinitrophenol | BRL | mg/kg dry | 0.39 | 0.061 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 2,4-Dinitrotoluene | BRL | mg/kg dry | 0.39 | 0.095 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 2,6-Dinitrotoluene | BRL | mg/kg dry | 0.39 | 0.082 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 2-Chloronaphthalene | BRL | mg/kg dry | 0.39 | 0.094 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 2-Chlorophenol | BRL | mg/kg dry | 0.39 | 0.11 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 2-Methylnaphthalene | BRL | mg/kg dry | 0.39 | 0.12 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 2-Methylphenol | BRL | mg/kg dry | 0.39 | 0.098 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 2-Nitrophenol | BRL | mg/kg dry | 0.39 | 0.089 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg dry | 0.39 | 0.096 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 3/4-Methylphenol | BRL | mg/kg dry | 0.39 | 0.099 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg dry | 0.39 | 0.063 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 4-Bromophenyl phenyl ether | BRL | mg/kg dry | 0.39 | 0.087 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0[illegible] |
| 4-Chloro-3-methylphenol | BRL | mg/kg dry | 0.39 | 0.090 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0[illegible] |
| 4-Chloroaniline | BRL | mg/kg dry | 0.39 | 0.080 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 4-Chlorophenyl phenyl ether | BRL | mg/kg dry | 0.39 | 0.078 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| 4-Nitrophenol | BRL | mg/kg dry | 0.39 | 0.054 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Acenaphthene | BRL | mg/kg dry | 0.39 | 0.085 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Acenaphthylene | BRL | mg/kg dry | 0.39 | 0.090 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Anthracene | BRL | mg/kg dry | 0.39 | 0.090 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Azobenzene | BRL | mg/kg dry | 0.39 | 0.087 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Benzo(a)anthracene | BRL | mg/kg dry | 0.39 | 0.097 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Benzo(a)pyrene | BRL | mg/kg dry | 0.39 | 0.052 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Benzo(b)fluoranthene | BRL | mg/kg dry | 0.39 | 0.082 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Benzo(g,h,i)perylene | BRL | mg/kg dry | 0.39 | 0.071 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Benzo(k)fluoranthene | BRL | mg/kg dry | 0.39 | 0.11 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Benzoic Acid | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Benzyl alcohol | BRL | mg/kg dry | 0.39 | 0.098 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| bis(2-Chloroethoxy)methane | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Bis(2-Chloroethyl)ether | BRL | mg/kg dry | 0.39 | 0.11 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg dry | 0.39 | 0.11 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Bis(2-Ethylhexyl)phthalate | BRL | mg/kg dry | 0.39 | 0.13 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Butyl benzyl phthalate | BRL | mg/kg dry | 0.39 | 0.12 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Chrysene | BRL | mg/kg dry | 0.39 | 0.088 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Dibenzo(a,h)anthracene | BRL | mg/kg dry | 0.39 | 0.091 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Dibenzofuran | BRL | mg/kg dry | 0.39 | 0.085 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Diethyl phthalate | BRL | mg/kg dry | 0.39 | 0.098 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0[illegible] |
| Dimethyl phthalate | BRL | mg/kg dry | 0.39 | 0.091 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0[illegible] |
| Di-n-butyl phthalate | BRL | mg/kg dry | 0.39 | 0.13 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |

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

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

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-3(1.5-2.0)
Prism Sample ID: 0070698-06
Prism Work Order: 0070698
Time Collected: 07/26/10 14:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | BRL | mg/kg dry | 0.39 | 0.13 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Fluoranthene | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Fluorene | BRL | mg/kg dry | 0.39 | 0.086 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Hexachlorobenzene | BRL | mg/kg dry | 0.39 | 0.088 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Hexachlorobutadiene | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Hexachlorocyclopentadiene | BRL | mg/kg dry | 0.39 | 0.078 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Hexachloroethane | BRL | mg/kg dry | 0.39 | 0.093 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg dry | 0.39 | 0.099 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Isophorone | BRL | mg/kg dry | 0.39 | 0.091 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Naphthalene | BRL | mg/kg dry | 0.39 | 0.10 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Nitrobenzene | BRL | mg/kg dry | 0.39 | 0.099 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| N-Nitroso-di-n-propylamine | BRL | mg/kg dry | 0.39 | 0.088 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| N-Nitrosodiphenylamine | BRL | mg/kg dry | 0.39 | 0.096 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Pentachlorophenol | BRL | mg/kg dry | 0.39 | 0.11 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Phenanthrene | BRL | mg/kg dry | 0.39 | 0.087 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Phenol | BRL | mg/kg dry | 0.39 | 0.11 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |
| Pyrene | BRL | mg/kg dry | 0.39 | 0.095 | 1 | *8270D | 7/30/10 23:35 | CGP | P0G0626 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| 2,4,6-Tribromophenol | 69 % | 34-134 |
| 2-Fluorobiphenyl | 68 % | 17-122 |
| 2-Fluorophenol | 58 % | 13-108 |
| Nitrobenzene-d5 | 58 % | 11-118 |
| Phenol-d5 | 55 % | 23-109 |
| Terphenyl-d14 | 70 % | 41-156 |

## TCLP Extraction by EPA 1311

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TCLP Extraction | Complete | N/A | | | 1 | *1311 | 7/31/10 10:00 | RWF | P0G0656 |

## TCLP Metals

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Mercury** | **0.00097** | **mg/L** | **0.00020** | **0.0000084** | **1** | ***7470A** | **8/3/10 9:15** | **RWF** | **P0H0021** |

## Total Metals

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **48000** | **mg/kg dry** | **300** | **120** | **100** | ***6010C** | **8/2/10 21:09** | **DJS** | **P0G0603** |
| **Mercury** | **0.072** | **mg/kg dry** | **0.025** | **0.0017** | **1** | ***7471B** | **8/3/10 11:18** | **RWF** | **P0H0022** |
| **Antimony** | **0.34** | **mg/kg dry** | **0.24** | **0.044** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| **Arsenic** | **5.8** | **mg/kg dry** | **0.60** | **0.068** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| **Barium** | **41** | **mg/kg dry** | **0.60** | **0.089** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| **Beryllium** | **0.66** | **mg/kg dry** | **0.30** | **0.051** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| **Cadmium** | **1.0** | **mg/kg dry** | **0.30** | **0.032** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| **Calcium** | **240** | **mg/kg dry** | **120** | **48** | **10** | ***6010C** | **8/2/10 21:24** | **DJS** | **P0G0603** |
| **Chromium** | **15** | **mg/kg dry** | **0.30** | **0.041** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| **Cobalt** | **2.0** | **mg/kg dry** | **0.30** | **0.033** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| **Copper** | **110** | **mg/kg dry** | **0.60** | **0.26** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| [illegible] | **29000** | **mg/kg dry** | **600** | **200** | **100** | ***6010C** | **8/2/10 21:09** | **DJS** | **P0G0603** |
| **Lead** | **44** | **mg/kg dry** | **0.30** | **0.074** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |

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

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-3(1.5-2.0)
Prism Sample ID: 0070698-06
Prism Work Order: 0070698
Time Collected: 07/26/10 14:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **Magnesium** | **480** | **mg/kg dry** | **3.0** | **0.39** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| **Manganese** | **46** | **mg/kg dry** | **0.30** | **0.029** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| **Nickel** | **4.2** | **mg/kg dry** | **1.2** | **0.37** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| **Potassium** | **1000** | **mg/kg dry** | **3.0** | **1.1** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| Selenium | BRL | mg/kg dry | 0.60 | 0.12 | 1 | *6010C | 7/29/10 21:08 | DJS | P0G0603 |
| Silver | BRL | mg/kg dry | 0.30 | 0.031 | 1 | *6010C | 7/29/10 21:08 | DJS | P0G0603 |
| **Sodium** | **27** | **mg/kg dry** | **18** | **1.9** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| Thallium | BRL | mg/kg dry | 0.60 | 0.12 | 1 | *6010C | 7/29/10 21:08 | DJS | P0G0603 |
| **Vanadium** | **29** | **mg/kg dry** | **0.30** | **0.021** | **1** | ***6010C** | **7/29/10 21:08** | **DJS** | **P0G0603** |
| **Zinc** | **97** | **mg/kg dry** | **30** | **3.1** | **10** | ***6010C** | **8/2/10 21:24** | **DJS** | **P0G0603** |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,1,2-Trichloroethane | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,1-Dichloroethane | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,1-Dichloroethylene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,1-Dichloropropylene | BRL | mg/kg dry | 0.0055 | 0.0012 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg dry | 0.0055 | 0.0018 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0 |
| 1,2,3-Trichloropropane | BRL | mg/kg dry | 0.0055 | 0.0023 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,2-Dibromoethane | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,2-Dichlorobenzene | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,2-Dichloroethane | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,2-Dichloropropane | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,3-Dichlorobenzene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,3-Dichloropropane | BRL | mg/kg dry | 0.0055 | 0.0011 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 1,4-Dichlorobenzene | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 2,2-Dichloropropane | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 2-Chlorotoluene | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 4-Chlorotoluene | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| 4-Isopropyltoluene | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Acetone | BRL | mg/kg dry | 0.055 | 0.0024 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Benzene | BRL | mg/kg dry | 0.0033 | 0.0015 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Bromobenzene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Bromochloromethane | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Bromodichloromethane | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Bromoform | BRL | mg/kg dry | 0.0055 | 0.0012 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Bromomethane | BRL | mg/kg dry | 0.011 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Carbon Tetrachloride | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Chlorobenzene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0 |
| Chloroethane | BRL | mg/kg dry | 0.011 | 0.0029 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-3(1.5-2.0)
Prism Sample ID: 0070698-06
Prism Work Order: 0070698
Time Collected: 07/26/10 14:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| Chloroform | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Chloromethane | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| cis-1,2-Dichloroethylene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| cis-1,3-Dichloropropylene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Dibromochloromethane | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Dichlorodifluoromethane | BRL | mg/kg dry | 0.0055 | 0.0011 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Ethylbenzene | BRL | mg/kg dry | 0.0055 | 0.0012 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Isopropyl Ether | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Isopropylbenzene (Cumene) | BRL | mg/kg dry | 0.0055 | 0.0012 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| m,p-Xylenes | BRL | mg/kg dry | 0.011 | 0.0029 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Methyl Butyl Ketone (2-Hexanone) | BRL | mg/kg dry | 0.055 | 0.0017 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Methyl Ethyl Ketone (2-Butanone) | BRL | mg/kg dry | 0.11 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Methyl Isobutyl Ketone | BRL | mg/kg dry | 0.055 | 0.0012 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Methylene Chloride | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Methyl-tert-Butyl Ether | BRL | mg/kg dry | 0.011 | 0.0012 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Naphthalene | BRL | mg/kg dry | 0.011 | 0.0030 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| n-Butylbenzene | BRL | mg/kg dry | 0.0055 | 0.0020 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| [illegible]ropylbenzene | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| [illegible]xylene | BRL | mg/kg dry | 0.0055 | 0.0012 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| sec-Butylbenzene | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Styrene | BRL | mg/kg dry | 0.0055 | 0.0011 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| tert-Butylbenzene | BRL | mg/kg dry | 0.0055 | 0.0015 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Tetrachloroethylene | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Toluene | BRL | mg/kg dry | 0.0055 | 0.0013 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| trans-1,2-Dichloroethylene | BRL | mg/kg dry | 0.0055 | 0.0011 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| trans-1,3-Dichloropropylene | BRL | mg/kg dry | 0.0055 | 0.0011 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Trichloroethylene | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Trichlorofluoromethane | BRL | mg/kg dry | 0.0055 | 0.0016 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Vinyl acetate | BRL | mg/kg dry | 0.028 | 0.0038 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Vinyl chloride | BRL | mg/kg dry | 0.0055 | 0.0014 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |
| Xylenes, total | BRL | mg/kg dry | 0.017 | 0.0042 | 1 | *8260B | 7/29/10 2:41 | KLA | P0G0595 |

| Surrogate | Recovery | Control Limits |
|---|---|---|
| 4-Bromofluorobenzene | *104 %* | *70-130* |
| Dibromofluoromethane | *103 %* | *84-123* |
| Toluene-d8 | *101 %* | *76-129* |

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

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

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

# Laboratory Report

10/20/2010

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

Project: ROW-204

Project No.: WBS# 34871.1.1
Sample Matrix: Solid

Client Sample ID: CO-3(1.5-2.0)
Prism Sample ID: 0070698-06RE1
Prism Work Order: 0070698
Time Collected: 07/26/10 14:30
Time Submitted: 07/26/10 17:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|---|---|---|---|---|---|---|---|---|
| **TCLP Metals** | | | | | | | | | |
| Arsenic | BRL | mg/L | 0.010 | 0.0019 | 1 | *6010C | 8/12/10 20:06 | DJS | P0H0280 |
| **Barium** | **0.16** | **mg/L** | **0.010** | **0.00064** | **1** | ***6010C** | **8/12/10 20:06** | **DJS** | **P0H0280** |
| **Cadmium** | **0.0015** | **mg/L** | **0.0010** | **0.00015** | **1** | ***6010C** | **8/12/10 20:06** | **DJS** | **P0H0280** |
| Chromium | BRL | mg/L | 0.0050 | 0.00051 | 1 | *6010C | 8/12/10 20:06 | DJS | P0H0280 |
| **Lead** | **0.11** | **mg/L** | **0.0050** | **0.00057** | **1** | ***6010C** | **8/12/10 20:06** | **DJS** | **P0H0280** |
| Selenium | BRL | mg/L | 0.020 | 0.0028 | 1 | *6010C | 8/12/10 20:06 | DJS | P0H0280 |
| **Silver** | **0.012** | **mg/L** | **0.0050** | **0.00036** | **1** | ***6010C** | **8/12/10 20:06** | **DJS** | **P0H0280** |

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

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

Hart & Hickman (Charlotte)
n: Matt Bramblett
23 South Tryon St. Ste 100
Charlotte, NC 28203

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**Volatile Organic Compounds by GC/MS - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0G0595 - 5035** | | | | | | | | | | |
| **Blank (P0G0595-BLK1)** | | | | Prepared & Analyzed: 07/28/10 | | | | | | |
| 1,1,1-Trichloroethane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,1,2,2-Tetrachloroethane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,1,2-Trichloroethane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,1-Dichloroethane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,1-Dichloroethylene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,1-Dichloropropylene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,2,3-Trichlorobenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,2,3-Trichloropropane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,2,4-Trichlorobenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,2,4-Trimethylbenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,2-Dibromoethane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,2-Dichlorobenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,2-Dichloroethane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,2-Dichloropropane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,3,5-Trimethylbenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 1,3-Dichlorobenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Dichloropropane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Dichlorobenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 2,2-Dichloropropane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 2-Chlorotoluene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 4-Chlorotoluene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| 4-Isopropyltoluene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Acetone | BRL | 0.050 | mg/kg wet | | | | | | | |
| Benzene | BRL | 0.0030 | mg/kg wet | | | | | | | |
| Bromobenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Bromochloromethane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Bromodichloromethane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Bromoform | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Bromomethane | BRL | 0.010 | mg/kg wet | | | | | | | |
| Carbon Tetrachloride | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Chlorobenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Chloroethane | BRL | 0.010 | mg/kg wet | | | | | | | |
| Chloroform | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Chloromethane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| cis-1,2-Dichloroethylene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| cis-1,3-Dichloropropylene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Dibromochloromethane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Dichlorodifluoromethane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Ethylbenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Isopropyl Ether | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Isopropylbenzene (Cumene) | BRL | 0.0050 | mg/kg wet | | | | | | | |
| m,p-Xylenes | BRL | 0.010 | mg/kg wet | | | | | | | |
| Methyl Butyl Ketone (2-Hexanone) | BRL | 0.050 | mg/kg wet | | | | | | | |
| thyl Ethyl Ketone (2-Butanone) | BRL | 0.10 | mg/kg wet | | | | | | | |
| yl Isobutyl Ketone | BRL | 0.050 | mg/kg wet | | | | | | | |
| Methylene Chloride | BRL | 0.0050 | mg/kg wet | | | | | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**Volatile Organic Compounds by GC/MS - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0G0595 - 5035** | | | | | | | | | | |
| **Blank (P0G0595-BLK1)** | | | | Prepared & Analyzed: 07/28/10 | | | | | | |
| Methyl-tert-Butyl Ether | BRL | 0.010 | mg/kg wet | | | | | | | |
| Naphthalene | BRL | 0.010 | mg/kg wet | | | | | | | |
| n-Butylbenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| n-Propylbenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| o-Xylene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| sec-Butylbenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Styrene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| tert-Butylbenzene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Tetrachloroethylene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Toluene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| trans-1,2-Dichloroethylene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| trans-1,3-Dichloropropylene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Trichloroethylene | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Trichlorofluoromethane | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Vinyl acetate | BRL | 0.025 | mg/kg wet | | | | | | | |
| Vinyl chloride | BRL | 0.0050 | mg/kg wet | | | | | | | |
| Xylenes, total | BRL | 0.015 | mg/kg wet | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *51.1* | | *ug/L* | *50.0* | | *102* | *70-130* | | | |
| *Surrogate: Dibromofluoromethane* | *49.7* | | *ug/L* | *50.0* | | *99* | *84-123* | | | |
| *Surrogate: Toluene-d8* | *50.0* | | *ug/L* | *50.0* | | *100* | *76-129* | | | |
| **LCS (P0G0595-BS1)** | | | | Prepared & Analyzed: 07/28/10 | | | | | | |
| 1,1-Dichloroethylene | 0.0492 | 0.0050 | mg/kg wet | 0.0500 | | 98 | 67-149 | | | |
| Benzene | 0.0464 | 0.0030 | mg/kg wet | 0.0500 | | 93 | 74-127 | | | |
| Chlorobenzene | 0.0468 | 0.0050 | mg/kg wet | 0.0500 | | 94 | 74-118 | | | |
| Toluene | 0.0463 | 0.0050 | mg/kg wet | 0.0500 | | 93 | 71-129 | | | |
| Trichloroethylene | 0.0474 | 0.0050 | mg/kg wet | 0.0500 | | 95 | 75-133 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *48.2* | | *ug/L* | *50.0* | | *96* | *70-130* | | | |
| *Surrogate: Dibromofluoromethane* | *48.9* | | *ug/L* | *50.0* | | *98* | *84-123* | | | |
| *Surrogate: Toluene-d8* | *48.3* | | *ug/L* | *50.0* | | *97* | *76-129* | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**Volatile Organic Compounds by GC/MS - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0G0595 - 5035** | | | | | | | | | | |
| **LCS Dup (P0G0595-BSD1)** | | | | Prepared & Analyzed: 07/28/10 | | | | | | |
| 1,1-Dichloroethylene | 0.0477 | 0.0050 | mg/kg wet | 0.0500 | | 95 | 67-149 | 3 | 200 | |
| Benzene | 0.0460 | 0.0030 | mg/kg wet | 0.0500 | | 92 | 74-127 | 1 | 200 | |
| Chlorobenzene | 0.0464 | 0.0050 | mg/kg wet | 0.0500 | | 93 | 74-118 | 0.9 | 200 | |
| Toluene | 0.0456 | 0.0050 | mg/kg wet | 0.0500 | | 91 | 71-129 | 2 | 200 | |
| Trichloroethylene | 0.0472 | 0.0050 | mg/kg wet | 0.0500 | | 94 | 75-133 | 0.5 | 200 | |
| *Surrogate: 4-Bromofluorobenzene* | *49.2* | | *ug/L* | *50.0* | | *98* | *70-130* | | | |
| *Surrogate: Dibromofluoromethane* | *49.2* | | *ug/L* | *50.0* | | *98* | *84-123* | | | |
| *Surrogate: Toluene-d8* | *49.2* | | *ug/L* | *50.0* | | *98* | *76-129* | | | |
| **Matrix Spike (P0G0595-MS1)** | | Source: 0070698-01 | | Prepared & Analyzed: 07/28/10 | | | | | | |
| 1,1-Dichloroethylene | 0.0317 | 0.0056 | mg/kg dry | 0.0560 | BRL | 57 | 54-162 | | | |
| Benzene | 0.0303 | 0.0034 | mg/kg dry | 0.0560 | BRL | 54 | 60-135 | | | MI |
| Chlorobenzene | 0.0172 | 0.0056 | mg/kg dry | 0.0560 | BRL | 31 | 57-125 | | | MI |
| Toluene | 0.0228 | 0.0056 | mg/kg dry | 0.0560 | BRL | 41 | 57-135 | | | MI |
| Trichloroethylene | 0.0233 | 0.0056 | mg/kg dry | 0.0560 | BRL | 42 | 38-164 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *53.1* | | *ug/L* | *50.0* | | *106* | *70-130* | | | |
| *Surrogate: Dibromofluoromethane* | *49.8* | | *ug/L* | *50.0* | | *100* | *84-123* | | | |
| *Surrogate: Toluene-d8* | *50.3* | | *ug/L* | *50.0* | | *101* | *76-129* | | | |
| **Matrix Spike Dup (P0G0595-MSD1)** | | Source: 0070698-01 | | Prepared: 07/28/10 Analyzed: 07/29/10 | | | | | | |
| 1,1-Dichloroethylene | 0.0318 | 0.0056 | mg/kg dry | 0.0560 | BRL | 57 | 54-162 | 0.2 | 22 | |
| Benzene | 0.0292 | 0.0034 | mg/kg dry | 0.0560 | BRL | 52 | 60-135 | 4 | 20 | MI |
| Chlorobenzene | 0.0157 | 0.0056 | mg/kg dry | 0.0560 | BRL | 28 | 57-125 | 9 | 14 | MI |
| Toluene | 0.0216 | 0.0056 | mg/kg dry | 0.0560 | BRL | 39 | 57-135 | 5 | 22 | MI |
| Trichloroethylene | 0.0226 | 0.0056 | mg/kg dry | 0.0560 | BRL | 40 | 38-164 | 3 | 18 | |
| *Surrogate: 4-Bromofluorobenzene* | *53.8* | | *ug/L* | *50.0* | | *108* | *70-130* | | | |
| *Surrogate: Dibromofluoromethane* | *50.6* | | *ug/L* | *50.0* | | *101* | *84-123* | | | |
| *Surrogate: Toluene-d8* | *50.9* | | *ug/L* | *50.0* | | *102* | *76-129* | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**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 P0G0626 - 3550C MS** | | | | | | | | | | |
| **Blank (P0G0626-BLK1)** | | | | Prepared: 07/29/10 Analyzed: 07/30/10 | | | | | | |
| 1,2,4-Trichlorobenzene | BRL | 0.33 | mg/kg wet | | | | | | | |
| 1,2-Dichlorobenzene | BRL | 0.33 | mg/kg wet | | | | | | | |
| 1,3-Dichlorobenzene | BRL | 0.33 | mg/kg wet | | | | | | | |
| 1,4-Dichlorobenzene | BRL | 0.33 | mg/kg wet | | | | | | | |
| 2,4,6-Trichlorophenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| 2,4-Dichlorophenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| 2,4-Dimethylphenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| 2,4-Dinitrophenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| 2,4-Dinitrotoluene | BRL | 0.33 | mg/kg wet | | | | | | | |
| 2,6-Dinitrotoluene | BRL | 0.33 | mg/kg wet | | | | | | | |
| 2-Chloronaphthalene | BRL | 0.33 | mg/kg wet | | | | | | | |
| 2-Chlorophenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| 2-Methylnaphthalene | BRL | 0.33 | mg/kg wet | | | | | | | |
| 2-Methylphenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| 2-Nitrophenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| 3,3'-Dichlorobenzidine | BRL | 0.33 | mg/kg wet | | | | | | | |
| 3/4-Methylphenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| 4,6-Dinitro-2-methylphenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| 4-Bromophenyl phenyl ether | BRL | 0.33 | mg/kg wet | | | | | | | |
| 4-Chloro-3-methylphenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| 4-Chloroaniline | BRL | 0.33 | mg/kg wet | | | | | | | |
| 4-Chlorophenyl phenyl ether | BRL | 0.33 | mg/kg wet | | | | | | | |
| 4-Nitrophenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| Acenaphthene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Acenaphthylene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Anthracene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Azobenzene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Benzo(a)anthracene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Benzo(a)pyrene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Benzo(b)fluoranthene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Benzo(g,h,i)perylene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Benzo(k)fluoranthene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Benzoic Acid | BRL | 0.33 | mg/kg wet | | | | | | | |
| Benzyl alcohol | BRL | 0.33 | mg/kg wet | | | | | | | |
| bis(2-Chloroethoxy)methane | BRL | 0.33 | mg/kg wet | | | | | | | |
| Bis(2-Chloroethyl)ether | BRL | 0.33 | mg/kg wet | | | | | | | |
| Bis(2-chloroisopropyl)ether | BRL | 0.33 | mg/kg wet | | | | | | | |
| Bis(2-Ethylhexyl)phthalate | BRL | 0.33 | mg/kg wet | | | | | | | |
| Butyl benzyl phthalate | BRL | 0.33 | mg/kg wet | | | | | | | |
| Chrysene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Dibenzo(a,h)anthracene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Dibenzofuran | BRL | 0.33 | mg/kg wet | | | | | | | |
| Diethyl phthalate | BRL | 0.33 | mg/kg wet | | | | | | | |
| Dimethyl phthalate | BRL | 0.33 | mg/kg wet | | | | | | | |
| Di-n-butyl phthalate | BRL | 0.33 | mg/kg wet | | | | | | | |
| Di-n-octyl phthalate | BRL | 0.33 | mg/kg wet | | | | | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**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 P0G0626 - 3550C MS** | | | | | | | | | | |
| **Blank (P0G0626-BLK1)** | | | | Prepared: 07/29/10 Analyzed: 07/30/10 | | | | | | |
| Fluoranthene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Fluorene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Hexachlorobenzene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Hexachlorobutadiene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Hexachlorocyclopentadiene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Hexachloroethane | BRL | 0.33 | mg/kg wet | | | | | | | |
| Indeno(1,2,3-cd)pyrene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Isophorone | BRL | 0.33 | mg/kg wet | | | | | | | |
| Naphthalene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Nitrobenzene | BRL | 0.33 | mg/kg wet | | | | | | | |
| N-Nitroso-di-n-propylamine | BRL | 0.33 | mg/kg wet | | | | | | | |
| N-Nitrosodiphenylamine | BRL | 0.33 | mg/kg wet | | | | | | | |
| Pentachlorophenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| Phenanthrene | BRL | 0.33 | mg/kg wet | | | | | | | |
| Phenol | BRL | 0.33 | mg/kg wet | | | | | | | |
| Pyrene | BRL | 0.33 | mg/kg wet | | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *2.17* | | *mg/kg wet* | *3.31* | | *66* | *34-134* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *1.19* | | *mg/kg wet* | *1.66* | | *72* | *17-122* | | | |
| *Surrogate: 2-Fluorophenol* | *2.04* | | *mg/kg wet* | *3.31* | | *61* | *13-108* | | | |
| *Surrogate: Nitrobenzene-d5* | *1.04* | | *mg/kg wet* | *1.66* | | *63* | *11-118* | | | |
| *Surrogate: Phenol-d5* | *1.98* | | *mg/kg wet* | *3.31* | | *60* | *23-109* | | | |
| *Surrogate: Terphenyl-d14* | *1.21* | | *mg/kg wet* | *1.66* | | *73* | *41-156* | | | |
| **LCS (P0G0626-BS1)** | | | | Prepared: 07/29/10 Analyzed: 07/30/10 | | | | | | |
| 1,2,4-Trichlorobenzene | 1.13 | 0.33 | mg/kg wet | 1.66 | | 68 | 35-95 | | | |
| 1,2-Dichlorobenzene | 1.08 | 0.33 | mg/kg wet | 1.66 | | 65 | 34-94 | | | |
| 1,3-Dichlorobenzene | 1.05 | 0.33 | mg/kg wet | 1.66 | | 64 | 31-92 | | | |
| 1,4-Dichlorobenzene | 1.08 | 0.33 | mg/kg wet | 1.66 | | 65 | 33-92 | | | |
| 2,4,6-Trichlorophenol | 1.27 | 0.33 | mg/kg wet | 1.66 | | 76 | 43-110 | | | |
| 2,4-Dichlorophenol | 1.23 | 0.33 | mg/kg wet | 1.66 | | 74 | 37-103 | | | |
| 2,4-Dimethylphenol | 1.15 | 0.33 | mg/kg wet | 1.66 | | 69 | 39-105 | | | |
| 2,4-Dinitrophenol | 0.961 | 0.33 | mg/kg wet | 1.66 | | 58 | 28-129 | | | |
| 2,4-Dinitrotoluene | 1.35 | 0.33 | mg/kg wet | 1.66 | | 82 | 59-115 | | | |
| 2,6-Dinitrotoluene | 1.38 | 0.33 | mg/kg wet | 1.66 | | 83 | 52-120 | | | |
| 2-Chloronaphthalene | 1.89 | 0.33 | mg/kg wet | 1.66 | | 114 | 41-104 | | | LH |
| 2-Chlorophenol | 1.10 | 0.33 | mg/kg wet | 1.66 | | 66 | 35-98 | | | |
| 2-Methylnaphthalene | 1.25 | 0.33 | mg/kg wet | 1.66 | | 75 | 31-106 | | | |
| 2-Methylphenol | 1.11 | 0.33 | mg/kg wet | 1.66 | | 67 | 32-108 | | | |
| 2-Nitrophenol | 1.16 | 0.33 | mg/kg wet | 1.66 | | 70 | 35-100 | | | |
| 3,3'-Dichlorobenzidine | 1.61 | 0.33 | mg/kg wet | 1.66 | | 97 | 10-200 | | | |
| 3/4-Methylphenol | 1.13 | 0.33 | mg/kg wet | 1.66 | | 68 | 36-103 | | | |
| 4,6-Dinitro-2-methylphenol | 1.19 | 0.33 | mg/kg wet | 1.66 | | 72 | 44-124 | | | |
| 4-Bromophenyl phenyl ether | 1.32 | 0.33 | mg/kg wet | 1.66 | | 79 | 44-119 | | | |
| 4-Chloro-3-methylphenol | 1.21 | 0.33 | mg/kg wet | 1.66 | | 73 | 48-106 | | | |
| 4-Chloroaniline | 1.50 | 0.33 | mg/kg wet | 1.66 | | 90 | 45-103 | | | |
| 4-Chlorophenyl phenyl ether | 1.33 | 0.33 | mg/kg wet | 1.66 | | 80 | 53-109 | | | |
| 4-Nitrophenol | 1.38 | 0.33 | mg/kg wet | 1.66 | | 83 | 40-124 | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**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 P0G0626 - 3550C MS** | | | | | | | | | | |
| **LCS (P0G0626-BS1)** | | | | Prepared: 07/29/10 Analyzed: 07/30/10 | | | | | | |
| Acenaphthene | 1.32 | 0.33 | mg/kg wet | 1.66 | | 80 | 47-106 | | | |
| Acenaphthylene | 1.33 | 0.33 | mg/kg wet | 1.66 | | 80 | 47-113 | | | |
| Anthracene | 1.36 | 0.33 | mg/kg wet | 1.66 | | 82 | 57-121 | | | |
| Azobenzene | 1.34 | 0.33 | mg/kg wet | 1.66 | | 81 | 49-117 | | | |
| Benzo(a)anthracene | 1.33 | 0.33 | mg/kg wet | 1.66 | | 80 | 55-123 | | | |
| Benzo(a)pyrene | 1.44 | 0.33 | mg/kg wet | 1.66 | | 87 | 61-120 | | | |
| Benzo(b)fluoranthene | 1.25 | 0.33 | mg/kg wet | 1.66 | | 75 | 52-126 | | | |
| Benzo(g,h,i)perylene | 1.06 | 0.33 | mg/kg wet | 1.66 | | 64 | 53-121 | | | |
| Benzo(k)fluoranthene | 1.55 | 0.33 | mg/kg wet | 1.66 | | 93 | 50-131 | | | |
| Benzoic Acid | 0.427 | 0.33 | mg/kg wet | 1.66 | | 26 | 10-75 | | | |
| Benzyl alcohol | 1.04 | 0.33 | mg/kg wet | 1.66 | | 63 | 35-101 | | | |
| bis(2-Chloroethoxy)methane | 1.16 | 0.33 | mg/kg wet | 1.66 | | 70 | 37-106 | | | |
| Bis(2-Chloroethyl)ether | 1.06 | 0.33 | mg/kg wet | 1.66 | | 64 | 33-99 | | | |
| Bis(2-chloroisopropyl)ether | 0.910 | 0.33 | mg/kg wet | 1.66 | | 55 | 26-106 | | | |
| Bis(2-Ethylhexyl)phthalate | 1.27 | 0.33 | mg/kg wet | 1.66 | | 77 | 50-142 | | | |
| Butyl benzyl phthalate | 1.24 | 0.33 | mg/kg wet | 1.66 | | 75 | 49-143 | | | |
| Chrysene | 1.41 | 0.33 | mg/kg wet | 1.66 | | 85 | 53-126 | | | |
| Dibenzo(a,h)anthracene | 1.01 | 0.33 | mg/kg wet | 1.66 | | 61 | 53-124 | | | |
| Dibenzofuran | 1.30 | 0.33 | mg/kg wet | 1.66 | | 78 | 48-109 | | | |
| Diethyl phthalate | 1.40 | 0.33 | mg/kg wet | 1.66 | | 84 | 59-118 | | | |
| Dimethyl phthalate | 1.40 | 0.33 | mg/kg wet | 1.66 | | 84 | 58-113 | | | |
| Di-n-butyl phthalate | 1.44 | 0.33 | mg/kg wet | 1.66 | | 87 | 51-129 | | | |
| Di-n-octyl phthalate | 1.24 | 0.33 | mg/kg wet | 1.66 | | 74 | 49-140 | | | |
| Fluoranthene | 1.43 | 0.33 | mg/kg wet | 1.66 | | 86 | 52-122 | | | |
| Fluorene | 1.30 | 0.33 | mg/kg wet | 1.66 | | 78 | 52-110 | | | |
| Hexachlorobenzene | 1.24 | 0.33 | mg/kg wet | 1.66 | | 75 | 52-117 | | | |
| Hexachlorobutadiene | 1.17 | 0.33 | mg/kg wet | 1.66 | | 70 | 35-101 | | | |
| Hexachlorocyclopentadiene | 1.15 | 0.33 | mg/kg wet | 1.66 | | 69 | 31-111 | | | |
| Hexachloroethane | 1.09 | 0.33 | mg/kg wet | 1.66 | | 66 | 30-93 | | | |
| Indeno(1,2,3-cd)pyrene | 1.08 | 0.33 | mg/kg wet | 1.66 | | 65 | 40-133 | | | |
| Isophorone | 1.20 | 0.33 | mg/kg wet | 1.66 | | 72 | 41-103 | | | |
| Naphthalene | 1.34 | 0.33 | mg/kg wet | 1.66 | | 81 | 38-98 | | | |
| Nitrobenzene | 1.14 | 0.33 | mg/kg wet | 1.66 | | 68 | 28-110 | | | |
| N-Nitroso-di-n-propylamine | 1.04 | 0.33 | mg/kg wet | 1.66 | | 63 | 36-104 | | | |
| N-Nitrosodiphenylamine | 1.45 | 0.33 | mg/kg wet | 1.66 | | 88 | 57-134 | | | |
| Pentachlorophenol | 1.05 | 0.33 | mg/kg wet | 1.66 | | 63 | 48-136 | | | |
| Phenanthrene | 1.36 | 0.33 | mg/kg wet | 1.66 | | 82 | 57-118 | | | |
| Phenol | 1.04 | 0.33 | mg/kg wet | 1.66 | | 63 | 27-107 | | | |
| Pyrene | 1.31 | 0.33 | mg/kg wet | 1.66 | | 79 | 48-132 | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *2.66* | | *mg/kg wet* | *3.32* | | *80* | *34-134* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *1.27* | | *mg/kg wet* | *1.66* | | *77* | *17-122* | | | |
| *Surrogate: 2-Fluorophenol* | *2.12* | | *mg/kg wet* | *3.32* | | *64* | *13-108* | | | |
| *Surrogate: Nitrobenzene-d5* | *1.11* | | *mg/kg wet* | *1.66* | | *67* | *11-118* | | | |
| *Surrogate: Phenol-d5* | *2.08* | | *mg/kg wet* | *3.32* | | *63* | *23-109* | | | |
| *Surrogate: Terphenyl-d14* | *1.10* | | *mg/kg wet* | *1.66* | | *66* | *41-156* | | | |

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

Hart & Hickman (Charlotte)
Attn: Matt Bramblett
923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**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 P0G0626 - 3550C MS** | | | | | | | | | | |
| **LCS Dup (P0G0626-BSD1)** | | | | Prepared: 07/29/10 Analyzed: 07/30/10 | | | | | | |
| 1,2,4-Trichlorobenzene | 1.16 | 0.33 | mg/kg wet | 1.68 | | 69 | 35-95 | 3 | 200 | |
| 1,2-Dichlorobenzene | 1.11 | 0.33 | mg/kg wet | 1.68 | | 66 | 34-94 | 3 | 200 | |
| 1,3-Dichlorobenzene | 1.06 | 0.33 | mg/kg wet | 1.68 | | 63 | 31-92 | 0.3 | 200 | |
| 1,4-Dichlorobenzene | 1.13 | 0.33 | mg/kg wet | 1.68 | | 67 | 33-92 | 5 | 200 | |
| 2,4,6-Trichlorophenol | 1.32 | 0.33 | mg/kg wet | 1.68 | | 78 | 43-110 | 4 | 200 | |
| 2,4-Dichlorophenol | 1.25 | 0.33 | mg/kg wet | 1.68 | | 75 | 37-103 | 2 | 200 | |
| 2,4-Dimethylphenol | 1.20 | 0.33 | mg/kg wet | 1.68 | | 71 | 39-105 | 4 | 200 | |
| 2,4-Dinitrophenol | 0.752 | 0.33 | mg/kg wet | 1.68 | | 45 | 28-129 | 24 | 200 | |
| 2,4-Dinitrotoluene | 1.42 | 0.33 | mg/kg wet | 1.68 | | 85 | 59-115 | 5 | 200 | |
| 2,6-Dinitrotoluene | 1.40 | 0.33 | mg/kg wet | 1.68 | | 83 | 52-120 | 1 | 200 | |
| 2-Chloronaphthalene | 1.93 | 0.33 | mg/kg wet | 1.68 | | 115 | 41-104 | 2 | 200 | LH |
| 2-Chlorophenol | 1.15 | 0.33 | mg/kg wet | 1.68 | | 68 | 35-98 | 5 | 200 | |
| 2-Methylnaphthalene | 1.30 | 0.33 | mg/kg wet | 1.68 | | 78 | 31-106 | 4 | 200 | |
| 2-Methylphenol | 1.17 | 0.33 | mg/kg wet | 1.68 | | 69 | 32-108 | 5 | 200 | |
| 2-Nitrophenol | 1.18 | 0.33 | mg/kg wet | 1.68 | | 70 | 35-100 | 2 | 200 | |
| 3,3'-Dichlorobenzidine | 1.89 | 0.33 | mg/kg wet | 1.68 | | 113 | 10-200 | 16 | 200 | |
| 4-Methylphenol | 1.19 | 0.33 | mg/kg wet | 1.68 | | 71 | 36-103 | 5 | 200 | |
| 4,6-Dinitro-2-methylphenol | 1.20 | 0.33 | mg/kg wet | 1.68 | | 72 | 44-124 | 0.8 | 200 | |
| 4-Bromophenyl phenyl ether | 1.37 | 0.33 | mg/kg wet | 1.68 | | 82 | 44-119 | 4 | 200 | |
| 4-Chloro-3-methylphenol | 1.26 | 0.33 | mg/kg wet | 1.68 | | 75 | 48-106 | 4 | 200 | |
| 4-Chloroaniline | 1.59 | 0.33 | mg/kg wet | 1.68 | | 95 | 45-103 | 6 | 200 | |
| 4-Chlorophenyl phenyl ether | 1.37 | 0.33 | mg/kg wet | 1.68 | | 82 | 53-109 | 3 | 200 | |
| 4-Nitrophenol | 1.35 | 0.33 | mg/kg wet | 1.68 | | 81 | 40-124 | 2 | 200 | |
| Acenaphthene | 1.35 | 0.33 | mg/kg wet | 1.68 | | 81 | 47-106 | 2 | 200 | |
| Acenaphthylene | 1.39 | 0.33 | mg/kg wet | 1.68 | | 83 | 47-113 | 4 | 200 | |
| Anthracene | 1.44 | 0.33 | mg/kg wet | 1.68 | | 86 | 57-121 | 5 | 200 | |
| Azobenzene | 1.42 | 0.33 | mg/kg wet | 1.68 | | 84 | 49-117 | 6 | 200 | |
| Benzo(a)anthracene | 1.42 | 0.33 | mg/kg wet | 1.68 | | 85 | 55-123 | 7 | 200 | |
| Benzo(a)pyrene | 1.44 | 0.33 | mg/kg wet | 1.68 | | 86 | 61-120 | 0.1 | 200 | |
| Benzo(b)fluoranthene | 1.69 | 0.33 | mg/kg wet | 1.68 | | 101 | 52-126 | 30 | 200 | |
| Benzo(g,h,i)perylene | 1.23 | 0.33 | mg/kg wet | 1.68 | | 73 | 53-121 | 15 | 200 | |
| Benzo(k)fluoranthene | 1.63 | 0.33 | mg/kg wet | 1.68 | | 97 | 50-131 | 5 | 200 | |
| Benzoic Acid | 0.225 | 0.33 | mg/kg wet | 1.68 | | 13 | 10-75 | 62 | 200 | |
| Benzyl alcohol | 1.11 | 0.33 | mg/kg wet | 1.68 | | 66 | 35-101 | 6 | 200 | |
| bis(2-Chloroethoxy)methane | 1.23 | 0.33 | mg/kg wet | 1.68 | | 73 | 37-106 | 5 | 200 | |
| Bis(2-Chloroethyl)ether | 1.10 | 0.33 | mg/kg wet | 1.68 | | 65 | 33-99 | 3 | 200 | |
| Bis(2-chloroisopropyl)ether | 0.971 | 0.33 | mg/kg wet | 1.68 | | 58 | 26-106 | 6 | 200 | |
| Bis(2-Ethylhexyl)phthalate | 1.38 | 0.33 | mg/kg wet | 1.68 | | 82 | 50-142 | 8 | 200 | |
| Butyl benzyl phthalate | 1.34 | 0.33 | mg/kg wet | 1.68 | | 80 | 49-143 | 8 | 200 | |
| Chrysene | 1.52 | 0.33 | mg/kg wet | 1.68 | | 91 | 53-126 | 7 | 200 | |
| Dibenzo(a,h)anthracene | 1.14 | 0.33 | mg/kg wet | 1.68 | | 68 | 53-124 | 13 | 200 | |
| Dibenzofuran | 1.35 | 0.33 | mg/kg wet | 1.68 | | 80 | 48-109 | 3 | 200 | |
| Diethyl phthalate | 1.48 | 0.33 | mg/kg wet | 1.68 | | 88 | 59-118 | 6 | 200 | |
| Dimethyl phthalate | 1.45 | 0.33 | mg/kg wet | 1.68 | | 86 | 58-113 | 4 | 200 | |
| Di-n-butyl phthalate | 1.55 | 0.33 | mg/kg wet | 1.68 | | 93 | 51-129 | 8 | 200 | |
| Di-n-octyl phthalate | 1.31 | 0.33 | mg/kg wet | 1.68 | | 78 | 49-140 | 6 | 200 | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**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 P0G0626 - 3550C MS** | | | | | | | | | | |
| **LCS Dup (P0G0626-BSD1)** | | | | Prepared: 07/29/10 | Analyzed: 07/30/10 | | | | | |
| Fluoranthene | 1.51 | 0.33 | mg/kg wet | 1.68 | | 90 | 52-122 | 6 | 200 | |
| Fluorene | 1.35 | 0.33 | mg/kg wet | 1.68 | | 80 | 52-110 | 4 | 200 | |
| Hexachlorobenzene | 1.29 | 0.33 | mg/kg wet | 1.68 | | 77 | 52-117 | 4 | 200 | |
| Hexachlorobutadiene | 1.18 | 0.33 | mg/kg wet | 1.68 | | 71 | 35-101 | 2 | 200 | |
| Hexachlorocyclopentadiene | 1.22 | 0.33 | mg/kg wet | 1.68 | | 73 | 31-111 | 6 | 200 | |
| Hexachloroethane | 1.13 | 0.33 | mg/kg wet | 1.68 | | 68 | 30-93 | 4 | 200 | |
| Indeno(1,2,3-cd)pyrene | 1.27 | 0.33 | mg/kg wet | 1.68 | | 75 | 40-133 | 15 | 200 | |
| Isophorone | 1.26 | 0.33 | mg/kg wet | 1.68 | | 75 | 41-103 | 5 | 200 | |
| Naphthalene | 1.40 | 0.33 | mg/kg wet | 1.68 | | 84 | 38-98 | 4 | 200 | |
| Nitrobenzene | 1.18 | 0.33 | mg/kg wet | 1.68 | | 70 | 28-110 | 4 | 200 | |
| N-Nitroso-di-n-propylamine | 1.11 | 0.33 | mg/kg wet | 1.68 | | 66 | 36-104 | 6 | 200 | |
| N-Nitrosodiphenylamine | 1.56 | 0.33 | mg/kg wet | 1.68 | | 93 | 57-134 | 7 | 200 | |
| Pentachlorophenol | 0.991 | 0.33 | mg/kg wet | 1.68 | | 59 | 48-136 | 6 | 200 | |
| Phenanthrene | 1.47 | 0.33 | mg/kg wet | 1.68 | | 88 | 57-118 | 7 | 200 | |
| Phenol | 1.11 | 0.33 | mg/kg wet | 1.68 | | 66 | 27-107 | 6 | 200 | |
| Pyrene | 1.42 | 0.33 | mg/kg wet | 1.68 | | 84 | 48-132 | 7 | 200 | |
| *Surrogate: 2,4,6-Tribromophenol* | *2.72* | | *mg/kg wet* | *3.36* | | *81* | *34-134* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *1.29* | | *mg/kg wet* | *1.68* | | *77* | *17-122* | | | |
| *Surrogate: 2-Fluorophenol* | *2.18* | | *mg/kg wet* | *3.36* | | *65* | *13-108* | | | |
| *Surrogate: Nitrobenzene-d5* | *1.14* | | *mg/kg wet* | *1.68* | | *68* | *11-118* | | | |
| *Surrogate: Phenol-d5* | *2.17* | | *mg/kg wet* | *3.36* | | *65* | *23-109* | | | |
| *Surrogate: Terphenyl-d14* | *1.16* | | *mg/kg wet* | *1.68* | | *69* | *41-156* | | | |
| **Matrix Spike (P0G0626-MS1)** | | **Source: 0070698-06** | | Prepared: 07/29/10 | Analyzed: 07/31/10 | | | | | |
| 1,2,4-Trichlorobenzene | 1.28 | 0.40 | mg/kg dry | 2.01 | BRL | 64 | 25-104 | | | |
| 1,2-Dichlorobenzene | 1.24 | 0.40 | mg/kg dry | 2.01 | BRL | 62 | 22-103 | | | |
| 1,3-Dichlorobenzene | 1.18 | 0.40 | mg/kg dry | 2.01 | BRL | 59 | 18-101 | | | |
| 1,4-Dichlorobenzene | 1.25 | 0.40 | mg/kg dry | 2.01 | BRL | 63 | 14-108 | | | |
| 2,4,6-Trichlorophenol | 1.53 | 0.40 | mg/kg dry | 2.01 | BRL | 76 | 44-115 | | | |
| 2,4-Dichlorophenol | 1.39 | 0.40 | mg/kg dry | 2.01 | BRL | 69 | 26-120 | | | |
| 2,4-Dimethylphenol | 1.36 | 0.40 | mg/kg dry | 2.01 | BRL | 68 | 33-113 | | | |
| 2,4-Dinitrophenol | 0.984 | 0.40 | mg/kg dry | 2.01 | BRL | 49 | 14-148 | | | |
| 2,4-Dinitrotoluene | 1.86 | 0.40 | mg/kg dry | 2.01 | BRL | 93 | 49-134 | | | |
| 2,6-Dinitrotoluene | 1.76 | 0.40 | mg/kg dry | 2.01 | BRL | 88 | 44-131 | | | |
| 2-Chloronaphthalene | 2.09 | 0.40 | mg/kg dry | 2.01 | BRL | 104 | 38-112 | | | |
| 2-Chlorophenol | 1.28 | 0.40 | mg/kg dry | 2.01 | BRL | 64 | 26-108 | | | |
| 2-Methylnaphthalene | 1.48 | 0.40 | mg/kg dry | 2.01 | BRL | 74 | 12-128 | | | |
| 2-Methylphenol | 1.29 | 0.40 | mg/kg dry | 2.01 | BRL | 64 | 26-116 | | | |
| 2-Nitrophenol | 1.32 | 0.40 | mg/kg dry | 2.01 | BRL | 66 | 20-119 | | | |
| 3,3'-Dichlorobenzidine | 2.71 | 0.40 | mg/kg dry | 2.01 | BRL | 135 | 10-191 | | | |
| 3/4-Methylphenol | 1.32 | 0.40 | mg/kg dry | 2.01 | BRL | 66 | 28-116 | | | |
| 4,6-Dinitro-2-methylphenol | 1.42 | 0.40 | mg/kg dry | 2.01 | BRL | 71 | 30-148 | | | |
| 4-Bromophenyl phenyl ether | 1.76 | 0.40 | mg/kg dry | 2.01 | BRL | 88 | 43-126 | | | |
| 4-Chloro-3-methylphenol | 1.56 | 0.40 | mg/kg dry | 2.01 | BRL | 78 | 41-120 | | | |
| 4-Chloroaniline | 1.79 | 0.40 | mg/kg dry | 2.01 | BRL | 89 | 35-115 | | | |
| 4-Chlorophenyl phenyl ether | 1.71 | 0.40 | mg/kg dry | 2.01 | BRL | 85 | 45-123 | | | |
| 4-Nitrophenol | 1.78 | 0.40 | mg/kg dry | 2.01 | BRL | 89 | 33-136 | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**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 P0G0626 - 3550C MS** | | | | | | | | | | |
| **Matrix Spike (P0G0626-MS1)** | | **Source: 0070698-06** | | Prepared: 07/29/10 | Analyzed: 07/31/10 | | | | | |
| Acenaphthene | 1.52 | 0.40 | mg/kg dry | 2.01 | BRL | 76 | 46-115 | | | |
| Acenaphthylene | 1.60 | 0.40 | mg/kg dry | 2.01 | BRL | 80 | 40-125 | | | |
| Anthracene | 1.84 | 0.40 | mg/kg dry | 2.01 | BRL | 92 | 56-127 | | | |
| Azobenzene | 1.70 | 0.40 | mg/kg dry | 2.01 | BRL | 85 | 49-123 | | | |
| Benzo(a)anthracene | 1.93 | 0.40 | mg/kg dry | 2.01 | BRL | 96 | 50-134 | | | |
| Benzo(a)pyrene | 1.93 | 0.40 | mg/kg dry | 2.01 | BRL | 96 | 59-129 | | | |
| Benzo(b)fluoranthene | 2.14 | 0.40 | mg/kg dry | 2.01 | BRL | 107 | 46-141 | | | |
| Benzo(g,h,i)perylene | 1.00 | 0.40 | mg/kg dry | 2.01 | BRL | 50 | 47-136 | | | |
| Benzo(k)fluoranthene | 2.33 | 0.40 | mg/kg dry | 2.01 | BRL | 116 | 36-151 | | | |
| Benzoic Acid | 1.27 | 0.40 | mg/kg dry | 2.01 | BRL | 63 | 10-122 | | | |
| Benzyl alcohol | 1.23 | 0.40 | mg/kg dry | 2.01 | BRL | 61 | 29-112 | | | |
| bis(2-Chloroethoxy)methane | 1.35 | 0.40 | mg/kg dry | 2.01 | BRL | 67 | 31-119 | | | |
| Bis(2-Chloroethyl)ether | 1.27 | 0.40 | mg/kg dry | 2.01 | BRL | 63 | 23-111 | | | |
| Bis(2-chloroisopropyl)ether | 1.13 | 0.40 | mg/kg dry | 2.01 | BRL | 56 | 22-109 | | | |
| Bis(2-Ethylhexyl)phthalate | 2.27 | 0.40 | mg/kg dry | 2.01 | BRL | 113 | 45-153 | | | |
| Butyl benzyl phthalate | 2.24 | 0.40 | mg/kg dry | 2.01 | BRL | 111 | 43-156 | | | |
| Chrysene | 1.99 | 0.40 | mg/kg dry | 2.01 | BRL | 99 | 46-140 | | | |
| Dibenzo(a,h)anthracene | 1.13 | 0.40 | mg/kg dry | 2.01 | BRL | 56 | 43-141 | | | |
| Dibenzofuran | 1.60 | 0.40 | mg/kg dry | 2.01 | BRL | 80 | 45-121 | | | |
| Diethyl phthalate | 1.89 | 0.40 | mg/kg dry | 2.01 | BRL | 94 | 53-128 | | | |
| Dimethyl phthalate | 1.81 | 0.40 | mg/kg dry | 2.01 | BRL | 90 | 54-123 | | | |
| Di-n-butyl phthalate | 1.96 | 0.40 | mg/kg dry | 2.01 | BRL | 98 | 44-137 | | | |
| Di-n-octyl phthalate | 3.29 | 0.40 | mg/kg dry | 2.01 | BRL | 164 | 45-151 | | | M |
| Fluoranthene | 1.95 | 0.40 | mg/kg dry | 2.01 | BRL | 97 | 37-140 | | | |
| Fluorene | 1.67 | 0.40 | mg/kg dry | 2.01 | BRL | 83 | 49-119 | | | |
| Hexachlorobenzene | 1.67 | 0.40 | mg/kg dry | 2.01 | BRL | 83 | 47-128 | | | |
| Hexachlorobutadiene | 1.32 | 0.40 | mg/kg dry | 2.01 | BRL | 66 | 24-107 | | | |
| Hexachlorocyclopentadiene | 1.01 | 0.40 | mg/kg dry | 2.01 | BRL | 51 | 20-121 | | | |
| Hexachloroethane | 1.24 | 0.40 | mg/kg dry | 2.01 | BRL | 62 | 17-102 | | | |
| Indeno(1,2,3-cd)pyrene | 1.18 | 0.40 | mg/kg dry | 2.01 | BRL | 59 | 27-156 | | | |
| Isophorone | 1.40 | 0.40 | mg/kg dry | 2.01 | BRL | 70 | 22-130 | | | |
| Naphthalene | 1.56 | 0.40 | mg/kg dry | 2.01 | BRL | 78 | 27-111 | | | |
| Nitrobenzene | 1.33 | 0.40 | mg/kg dry | 2.01 | BRL | 66 | 23-120 | | | |
| N-Nitroso-di-n-propylamine | 1.26 | 0.40 | mg/kg dry | 2.01 | BRL | 63 | 27-120 | | | |
| N-Nitrosodiphenylamine | 2.03 | 0.40 | mg/kg dry | 2.01 | BRL | 101 | 46-153 | | | |
| Pentachlorophenol | 1.02 | 0.40 | mg/kg dry | 2.01 | BRL | 51 | 36-155 | | | |
| Phenanthrene | 1.87 | 0.40 | mg/kg dry | 2.01 | BRL | 93 | 48-137 | | | |
| Phenol | 1.22 | 0.40 | mg/kg dry | 2.01 | BRL | 61 | 23-115 | | | |
| Pyrene | 2.30 | 0.40 | mg/kg dry | 2.01 | BRL | 114 | 43-146 | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *3.60* | | *mg/kg dry* | *4.01* | | *90* | *34-134* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *1.43* | | *mg/kg dry* | *2.01* | | *71* | *17-122* | | | |
| *Surrogate: 2-Fluorophenol* | *2.43* | | *mg/kg dry* | *4.01* | | *61* | *13-108* | | | |
| *Surrogate: Nitrobenzene-d5* | *1.25* | | *mg/kg dry* | *2.01* | | *62* | *11-118* | | | |
| *Surrogate: Phenol-d5* | *2.40* | | *mg/kg dry* | *4.01* | | *60* | *23-109* | | | |
| *Surrogate: Terphenyl-d14* | *1.90* | | *mg/kg dry* | *2.01* | | *95* | *41-156* | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**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 P0G0626 - 3550C MS** | | | | | | | | | | |
| **Matrix Spike Dup (P0G0626-MSD1)** | | **Source: 0070698-06** | | Prepared: 07/29/10 | Analyzed: 07/31/10 | | | | | |
| 1,2,4-Trichlorobenzene | 1.34 | 0.40 | mg/kg dry | 2.01 | BRL | 67 | 25-104 | 5 | 46 | |
| 1,2-Dichlorobenzene | 1.32 | 0.40 | mg/kg dry | 2.01 | BRL | 66 | 22-103 | 6 | 49 | |
| 1,3-Dichlorobenzene | 1.24 | 0.40 | mg/kg dry | 2.01 | BRL | 62 | 18-101 | 5 | 55 | |
| 1,4-Dichlorobenzene | 1.35 | 0.40 | mg/kg dry | 2.01 | BRL | 67 | 14-108 | 8 | 50 | |
| 2,4,6-Trichlorophenol | 1.65 | 0.40 | mg/kg dry | 2.01 | BRL | 82 | 44-115 | 7 | 35 | |
| 2,4-Dichlorophenol | 1.44 | 0.40 | mg/kg dry | 2.01 | BRL | 72 | 26-120 | 3 | 45 | |
| 2,4-Dimethylphenol | 1.40 | 0.40 | mg/kg dry | 2.01 | BRL | 70 | 33-113 | 3 | 47 | |
| 2,4-Dinitrophenol | 1.13 | 0.40 | mg/kg dry | 2.01 | BRL | 56 | 14-148 | 14 | 39 | |
| 2,4-Dinitrotoluene | 2.00 | 0.40 | mg/kg dry | 2.01 | BRL | 100 | 49-134 | 7 | 28 | |
| 2,6-Dinitrotoluene | 1.87 | 0.40 | mg/kg dry | 2.01 | BRL | 93 | 44-131 | 6 | 31 | |
| 2-Chloronaphthalene | 2.23 | 0.40 | mg/kg dry | 2.01 | BRL | 111 | 38-112 | 7 | 37 | |
| 2-Chlorophenol | 1.35 | 0.40 | mg/kg dry | 2.01 | BRL | 67 | 26-108 | 5 | 51 | |
| 2-Methylnaphthalene | 1.54 | 0.40 | mg/kg dry | 2.01 | BRL | 77 | 12-128 | 4 | 48 | |
| 2-Methylphenol | 1.36 | 0.40 | mg/kg dry | 2.01 | BRL | 68 | 26-116 | 5 | 48 | |
| 2-Nitrophenol | 1.40 | 0.40 | mg/kg dry | 2.01 | BRL | 70 | 20-119 | 6 | 44 | |
| 3,3'-Dichlorobenzidine | 2.94 | 0.40 | mg/kg dry | 2.01 | BRL | 147 | 10-191 | 8 | 35 | |
| 3/4-Methylphenol | 1.39 | 0.40 | mg/kg dry | 2.01 | BRL | 69 | 28-116 | 5 | 45 | |
| 4,6-Dinitro-2-methylphenol | 1.50 | 0.40 | mg/kg dry | 2.01 | BRL | 75 | 30-148 | 5 | 27 | |
| 4-Bromophenyl phenyl ether | 1.83 | 0.40 | mg/kg dry | 2.01 | BRL | 91 | 43-126 | 4 | 26 | |
| 4-Chloro-3-methylphenol | 1.68 | 0.40 | mg/kg dry | 2.01 | BRL | 84 | 41-120 | 8 | 35 | |
| 4-Chloroaniline | 1.88 | 0.40 | mg/kg dry | 2.01 | BRL | 93 | 35-115 | 5 | 41 | |
| 4-Chlorophenyl phenyl ether | 1.83 | 0.40 | mg/kg dry | 2.01 | BRL | 91 | 45-123 | 7 | 30 | |
| 4-Nitrophenol | 1.92 | 0.40 | mg/kg dry | 2.01 | BRL | 96 | 33-136 | 7 | 31 | |
| Acenaphthene | 1.64 | 0.40 | mg/kg dry | 2.01 | BRL | 82 | 46-115 | 8 | 35 | |
| Acenaphthylene | 1.68 | 0.40 | mg/kg dry | 2.01 | BRL | 84 | 40-125 | 5 | 35 | |
| Anthracene | 1.90 | 0.40 | mg/kg dry | 2.01 | BRL | 95 | 56-127 | 3 | 26 | |
| Azobenzene | 1.79 | 0.40 | mg/kg dry | 2.01 | BRL | 89 | 49-123 | 5 | 30 | |
| Benzo(a)anthracene | 1.98 | 0.40 | mg/kg dry | 2.01 | BRL | 99 | 50-134 | 2 | 25 | |
| Benzo(a)pyrene | 2.07 | 0.40 | mg/kg dry | 2.01 | BRL | 103 | 59-129 | 7 | 22 | |
| Benzo(b)fluoranthene | 2.10 | 0.40 | mg/kg dry | 2.01 | BRL | 105 | 46-141 | 2 | 33 | |
| Benzo(g,h,i)perylene | 1.12 | 0.40 | mg/kg dry | 2.01 | BRL | 56 | 47-136 | 11 | 26 | |
| Benzo(k)fluoranthene | 2.39 | 0.40 | mg/kg dry | 2.01 | BRL | 119 | 36-151 | 3 | 38 | |
| Benzoic Acid | 1.34 | 0.40 | mg/kg dry | 2.01 | BRL | 67 | 10-122 | 5 | 60 | |
| Benzyl alcohol | 1.31 | 0.40 | mg/kg dry | 2.01 | BRL | 65 | 29-112 | 7 | 43 | |
| bis(2-Chloroethoxy)methane | 1.43 | 0.40 | mg/kg dry | 2.01 | BRL | 71 | 31-119 | 5 | 46 | |
| Bis(2-Chloroethyl)ether | 1.36 | 0.40 | mg/kg dry | 2.01 | BRL | 68 | 23-111 | 7 | 54 | |
| Bis(2-chloroisopropyl)ether | 1.19 | 0.40 | mg/kg dry | 2.01 | BRL | 59 | 22-109 | 5 | 50 | |
| Bis(2-Ethylhexyl)phthalate | 2.26 | 0.40 | mg/kg dry | 2.01 | BRL | 113 | 45-153 | 0.2 | 26 | |
| Butyl benzyl phthalate | 2.18 | 0.40 | mg/kg dry | 2.01 | BRL | 109 | 43-156 | 3 | 22 | |
| Chrysene | 2.05 | 0.40 | mg/kg dry | 2.01 | BRL | 102 | 46-140 | 3 | 32 | |
| Dibenzo(a,h)anthracene | 1.30 | 0.40 | mg/kg dry | 2.01 | BRL | 65 | 43-141 | 14 | 25 | |
| Dibenzofuran | 1.71 | 0.40 | mg/kg dry | 2.01 | BRL | 85 | 45-121 | 7 | 36 | |
| Diethyl phthalate | 1.96 | 0.40 | mg/kg dry | 2.01 | BRL | 98 | 53-128 | 4 | 20 | |
| Dimethyl phthalate | 1.95 | 0.40 | mg/kg dry | 2.01 | BRL | 97 | 54-123 | 7 | 24 | |
| Di-n-butyl phthalate | 2.04 | 0.40 | mg/kg dry | 2.01 | BRL | 101 | 44-137 | 4 | 33 | |
| Di-n-octyl phthalate | 2.99 | 0.40 | mg/kg dry | 2.01 | BRL | 149 | 45-151 | 9 | 25 | |

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

Hart & Hickman (Charlotte)
Attn: Matt Bramblett
923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**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 P0G0626 - 3550C MS** | | | | | | | | | | |
| **Matrix Spike Dup (P0G0626-MSD1)** | | **Source: 0070698-06** | | Prepared: 07/29/10 | Analyzed: 07/31/10 | | | | | |
| Fluoranthene | 2.06 | 0.40 | mg/kg dry | 2.01 | BRL | 103 | 37-140 | 5 | 35 | |
| Fluorene | 1.80 | 0.40 | mg/kg dry | 2.01 | BRL | 90 | 49-119 | 8 | 31 | |
| Hexachlorobenzene | 1.71 | 0.40 | mg/kg dry | 2.01 | BRL | 85 | 47-128 | 2 | 23 | |
| Hexachlorobutadiene | 1.37 | 0.40 | mg/kg dry | 2.01 | BRL | 68 | 24-107 | 3 | 50 | |
| Hexachlorocyclopentadiene | 1.04 | 0.40 | mg/kg dry | 2.01 | BRL | 52 | 20-121 | 3 | 50 | |
| Hexachloroethane | 1.31 | 0.40 | mg/kg dry | 2.01 | BRL | 65 | 17-102 | 5 | 50 | |
| Indeno(1,2,3-cd)pyrene | 1.40 | 0.40 | mg/kg dry | 2.01 | BRL | 70 | 27-156 | 17 | 35 | |
| Isophorone | 1.45 | 0.40 | mg/kg dry | 2.01 | BRL | 72 | 22-130 | 4 | 37 | |
| Naphthalene | 1.68 | 0.40 | mg/kg dry | 2.01 | BRL | 84 | 27-111 | 7 | 51 | |
| Nitrobenzene | 1.38 | 0.40 | mg/kg dry | 2.01 | BRL | 69 | 23-120 | 4 | 43 | |
| N-Nitroso-di-n-propylamine | 1.31 | 0.40 | mg/kg dry | 2.01 | BRL | 65 | 27-120 | 4 | 47 | |
| N-Nitrosodiphenylamine | 2.09 | 0.40 | mg/kg dry | 2.01 | BRL | 104 | 46-153 | 3 | 29 | |
| Pentachlorophenol | 1.19 | 0.40 | mg/kg dry | 2.01 | BRL | 59 | 36-155 | 16 | 31 | |
| Phenanthrene | 1.89 | 0.40 | mg/kg dry | 2.01 | BRL | 94 | 48-137 | 1 | 32 | |
| Phenol | 1.30 | 0.40 | mg/kg dry | 2.01 | BRL | 65 | 23-115 | 6 | 56 | |
| Pyrene | 2.18 | 0.40 | mg/kg dry | 2.01 | BRL | 108 | 43-146 | 5 | 31 | |
| *Surrogate: 2,4,6-Tribromophenol* | *3.75* | | *mg/kg dry* | *4.01* | | *94* | *34-134* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *1.46* | | *mg/kg dry* | *2.01* | | *72* | *17-122* | | | |
| *Surrogate: 2-Fluorophenol* | *2.53* | | *mg/kg dry* | *4.01* | | *63* | *13-108* | | | |
| *Surrogate: Nitrobenzene-d5* | *1.29* | | *mg/kg dry* | *2.01* | | *64* | *11-118* | | | |
| *Surrogate: Phenol-d5* | *2.49* | | *mg/kg dry* | *4.01* | | *62* | *23-109* | | | |
| *Surrogate: Terphenyl-d14* | *1.82* | | *mg/kg dry* | *2.01* | | *91* | *41-156* | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**Organochlorine Pesticides by GC/ECD - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0G0635 - 3550C GC** | | | | | | | | | | |
| **Blank (P0G0635-BLK1)** | | | | Prepared: 07/30/10 Analyzed: 08/03/10 | | | | | | |
| 4,4'-DDD | BRL | 2.0 | ug/kg wet | | | | | | | |
| 4,4'-DDE | BRL | 2.0 | ug/kg wet | | | | | | | |
| 4,4'-DDT | BRL | 3.0 | ug/kg wet | | | | | | | |
| Aldrin | BRL | 2.0 | ug/kg wet | | | | | | | |
| alpha-BHC | BRL | 2.0 | ug/kg wet | | | | | | | |
| alpha-Chlordane | BRL | 2.0 | ug/kg wet | | | | | | | |
| beta-BHC | BRL | 2.0 | ug/kg wet | | | | | | | |
| Chlordane | BRL | 50 | ug/kg wet | | | | | | | |
| delta-BHC | BRL | 2.0 | ug/kg wet | | | | | | | |
| Dieldrin | BRL | 2.0 | ug/kg wet | | | | | | | |
| Endosulfan I | BRL | 2.0 | ug/kg wet | | | | | | | |
| Endosulfan II | BRL | 2.0 | ug/kg wet | | | | | | | |
| Endosulfan Sulfate | BRL | 2.0 | ug/kg wet | | | | | | | |
| Endrin | BRL | 2.0 | ug/kg wet | | | | | | | |
| Endrin Aldehyde | BRL | 2.0 | ug/kg wet | | | | | | | |
| Endrin Ketone | BRL | 2.0 | ug/kg wet | | | | | | | |
| gamma-BHC | BRL | 2.0 | ug/kg wet | | | | | | | |
| gamma-Chlordane | BRL | 2.0 | ug/kg wet | | | | | | | |
| Heptachlor | BRL | 2.0 | ug/kg wet | | | | | | | |
| Heptachlor Epoxide | BRL | 2.0 | ug/kg wet | | | | | | | |
| Methoxychlor | BRL | 2.0 | ug/kg wet | | | | | | | |
| Toxaphene | BRL | 50 | ug/kg wet | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *30.2* | | *ug/kg wet* | *33.2* | | *91* | *26-204* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *32.2* | | *ug/kg wet* | *33.2* | | *97* | *40-162* | | | |
| **LCS (P0G0635-BS1)** | | | | Prepared: 07/30/10 Analyzed: 08/03/10 | | | | | | |
| 4,4'-DDD | 31.1 | 2.0 | ug/kg wet | 33.0 | | 94 | 72-142 | | | |
| 4,4'-DDE | 31.1 | 2.0 | ug/kg wet | 33.0 | | 94 | 74-129 | | | |
| 4,4'-DDT | 33.0 | 3.0 | ug/kg wet | 33.0 | | 100 | 75-141 | | | |
| Aldrin | 29.1 | 2.0 | ug/kg wet | 33.0 | | 88 | 66-132 | | | |
| alpha-BHC | 33.4 | 2.0 | ug/kg wet | 33.0 | | 101 | 72-126 | | | |
| alpha-Chlordane | 31.4 | 2.0 | ug/kg wet | 33.0 | | 95 | 71-132 | | | |
| beta-BHC | 31.4 | 2.0 | ug/kg wet | 33.0 | | 95 | 79-134 | | | |
| delta-BHC | 33.4 | 2.0 | ug/kg wet | 33.0 | | 101 | 74-132 | | | |
| Dieldrin | 31.1 | 2.0 | ug/kg wet | 33.0 | | 94 | 72-136 | | | |
| Endosulfan I | 31.1 | 2.0 | ug/kg wet | 33.0 | | 94 | 74-134 | | | |
| Endosulfan II | 31.4 | 2.0 | ug/kg wet | 33.0 | | 95 | 79-134 | | | |
| Endosulfan Sulfate | 31.1 | 2.0 | ug/kg wet | 33.0 | | 94 | 73-147 | | | |
| Endrin | 32.4 | 2.0 | ug/kg wet | 33.0 | | 98 | 74-147 | | | |
| Endrin Aldehyde | 27.4 | 2.0 | ug/kg wet | 33.0 | | 83 | 73-138 | | | |
| Endrin Ketone | 30.4 | 2.0 | ug/kg wet | 33.0 | | 92 | 84-135 | | | |
| gamma-BHC | 32.7 | 2.0 | ug/kg wet | 33.0 | | 99 | 71-129 | | | |
| gamma-Chlordane | 32.1 | 2.0 | ug/kg wet | 33.0 | | 97 | 71-132 | | | |
| Heptachlor | 31.4 | 2.0 | ug/kg wet | 33.0 | | 95 | 72-134 | | | |
| Heptachlor Epoxide | 31.1 | 2.0 | ug/kg wet | 33.0 | | 94 | 73-132 | | | |
| Methoxychlor | 29.7 | 2.0 | ug/kg wet | 33.0 | | 90 | 91-138 | | | |
| *Surrogate: Decachlorobiphenyl* | *26.1* | | *ug/kg wet* | *33.0* | | *79* | *26-204* | | | |

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

Hart & Hickman (Charlotte)
Attn: Matt Bramblett
923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**Organochlorine Pesticides by GC/ECD - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0G0635 - 3550C GC** | | | | | | | | | | |
| **LCS (P0G0635-BS1)** | | | | Prepared: 07/30/10 | | Analyzed: 08/03/10 | | | | |
| *Surrogate: Tetrachloro-m-xylene* | *26.8* | | *ug/kg wet* | *33.0* | | *81* | *40-162* | | | |
| **LCS (P0G0635-BS2)** | | | | Prepared: 07/30/10 | | Analyzed: 08/03/10 | | | | |
| Chlordane | 288 | 49 | ug/kg wet | 330 | | 87 | 50-150 | | | |
| *Surrogate: Decachlorobiphenyl* | *27.7* | | *ug/kg wet* | *33.0* | | *84* | *26-204* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *24.1* | | *ug/kg wet* | *33.0* | | *73* | *40-162* | | | |
| **LCS (P0G0635-BS3)** | | | | Prepared: 07/30/10 | | Analyzed: 08/03/10 | | | | |
| Toxaphene | 248 | 49 | ug/kg wet | 330 | | 75 | 50-150 | | | |
| *Surrogate: Decachlorobiphenyl* | *25.4* | | *ug/kg wet* | *33.0* | | *77* | *26-204* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *23.1* | | *ug/kg wet* | *33.0* | | *70* | *40-162* | | | |
| **LCS Dup (P0G0635-BSD1)** | | | | Prepared: 07/30/10 | | Analyzed: 08/03/10 | | | | |
| 4,4'-DDD | 31.9 | 2.0 | ug/kg wet | 32.9 | | 97 | 72-142 | 3 | 200 | |
| 4,4'-DDE | 31.9 | 2.0 | ug/kg wet | 32.9 | | 97 | 74-129 | 3 | 200 | |
| 4,4'-DDT | 33.9 | 3.0 | ug/kg wet | 32.9 | | 103 | 75-141 | 3 | 200 | |
| Aldrin | 31.0 | 2.0 | ug/kg wet | 32.9 | | 94 | 66-132 | 6 | 200 | |
| alpha-BHC | 35.2 | 2.0 | ug/kg wet | 32.9 | | 107 | 72-126 | 5 | 200 | |
| alpha-Chlordane | 33.3 | 2.0 | ug/kg wet | 32.9 | | 101 | 71-132 | 6 | 200 | |
| beta-BHC | 32.6 | 2.0 | ug/kg wet | 32.9 | | 99 | 79-134 | 4 | 200 | |
| delta-BHC | 35.6 | 2.0 | ug/kg wet | 32.9 | | 108 | 74-132 | 6 | 200 | |
| Dieldrin | 33.3 | 2.0 | ug/kg wet | 32.9 | | 101 | 72-136 | 7 | 200 | |
| Endosulfan I | 32.9 | 2.0 | ug/kg wet | 32.9 | | 100 | 74-134 | 6 | 200 | |
| Endosulfan II | 31.9 | 2.0 | ug/kg wet | 32.9 | | 97 | 79-134 | 2 | 200 | |
| Endosulfan Sulfate | 31.6 | 2.0 | ug/kg wet | 32.9 | | 96 | 73-147 | 2 | 200 | |
| Endrin | 33.3 | 2.0 | ug/kg wet | 32.9 | | 101 | 74-147 | 3 | 200 | |
| Endrin Aldehyde | 29.0 | 2.0 | ug/kg wet | 32.9 | | 88 | 73-138 | 6 | 200 | |
| Endrin Ketone | 33.3 | 2.0 | ug/kg wet | 32.9 | | 101 | 84-135 | 9 | 200 | |
| gamma-BHC | 34.9 | 2.0 | ug/kg wet | 32.9 | | 106 | 71-129 | 6 | 200 | |
| gamma-Chlordane | 33.9 | 2.0 | ug/kg wet | 32.9 | | 103 | 71-132 | 6 | 200 | |
| Heptachlor | 33.6 | 2.0 | ug/kg wet | 32.9 | | 102 | 72-134 | 7 | 200 | |
| Heptachlor Epoxide | 32.9 | 2.0 | ug/kg wet | 32.9 | | 100 | 73-132 | 6 | 200 | |
| Methoxychlor | 31.6 | 2.0 | ug/kg wet | 32.9 | | 96 | 91-138 | 6 | 200 | |
| *Surrogate: Decachlorobiphenyl* | *27.7* | | *ug/kg wet* | *32.9* | | *84* | *26-204* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *29.6* | | *ug/kg wet* | *32.9* | | *90* | *40-162* | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**Organochlorine Pesticides by GC/ECD - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0G0635 - 3550C GC** | | | | | | | | | | |
| **Matrix Spike (P0G0635-MS1)** | | **Source: 0070698-06** | | Prepared: 07/30/10 | | Analyzed: 08/03/10 | | | | |
| 4,4'-DDD | 41.5 | 2.4 | ug/kg dry | 39.5 | BRL | 105 | 57-152 | | | |
| 4,4'-DDE | 41.1 | 2.4 | ug/kg dry | 39.5 | BRL | 104 | 61-143 | | | |
| 4,4'-DDT | 46.6 | 3.6 | ug/kg dry | 39.5 | BRL | 118 | 56-163 | | | |
| Aldrin | 39.9 | 2.4 | ug/kg dry | 39.5 | BRL | 101 | 57-137 | | | |
| alpha-BHC | 42.6 | 2.4 | ug/kg dry | 39.5 | BRL | 108 | 62-134 | | | |
| alpha-Chlordane | 40.7 | 2.4 | ug/kg dry | 39.5 | BRL | 103 | 59-138 | | | |
| beta-BHC | 39.5 | 2.4 | ug/kg dry | 39.5 | BRL | 100 | 67-144 | | | |
| delta-BHC | 43.4 | 2.4 | ug/kg dry | 39.5 | BRL | 110 | 70-138 | | | |
| Dieldrin | 41.1 | 2.4 | ug/kg dry | 39.5 | BRL | 104 | 60-141 | | | |
| Endosulfan I | 40.7 | 2.4 | ug/kg dry | 39.5 | BRL | 103 | 66-137 | | | |
| Endosulfan II | 40.7 | 2.4 | ug/kg dry | 39.5 | BRL | 103 | 70-141 | | | |
| Endosulfan Sulfate | 41.9 | 2.4 | ug/kg dry | 39.5 | BRL | 106 | 65-153 | | | |
| Endrin | 41.9 | 2.4 | ug/kg dry | 39.5 | BRL | 106 | 65-164 | | | |
| Endrin Aldehyde | 38.3 | 2.4 | ug/kg dry | 39.5 | BRL | 97 | 63-147 | | | |
| Endrin Ketone | 42.2 | 2.4 | ug/kg dry | 39.5 | BRL | 107 | 65-152 | | | |
| gamma-BHC | 43.0 | 2.4 | ug/kg dry | 39.5 | BRL | 109 | 62-137 | | | |
| gamma-Chlordane | 40.7 | 2.4 | ug/kg dry | 39.5 | BRL | 103 | 59-139 | | | |
| Heptachlor | 41.9 | 2.4 | ug/kg dry | 39.5 | BRL | 106 | 63-142 | | | |
| Heptachlor Epoxide | 40.3 | 2.4 | ug/kg dry | 39.5 | BRL | 102 | 63-136 | | | |
| Methoxychlor | 45.4 | 2.4 | ug/kg dry | 39.5 | BRL | 115 | 60-179 | | | |
| *Surrogate: Decachlorobiphenyl* | *34.0* | | *ug/kg dry* | *39.5* | | *86* | *26-204* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *33.6* | | *ug/kg dry* | *39.5* | | *85* | *40-162* | | | |
| **Matrix Spike Dup (P0G0635-MSD1)** | | **Source: 0070698-06** | | Prepared: 07/30/10 | | Analyzed: 08/03/10 | | | | |
| 4,4'-DDD | 42.7 | 2.4 | ug/kg dry | 39.5 | BRL | 108 | 57-152 | 3 | 29 | |
| 4,4'-DDE | 42.7 | 2.4 | ug/kg dry | 39.5 | BRL | 108 | 61-143 | 4 | 36 | |
| 4,4'-DDT | 45.8 | 3.6 | ug/kg dry | 39.5 | BRL | 116 | 56-163 | 2 | 38 | |
| Aldrin | 41.1 | 2.4 | ug/kg dry | 39.5 | BRL | 104 | 57-137 | 3 | 29 | |
| alpha-BHC | 42.7 | 2.4 | ug/kg dry | 39.5 | BRL | 108 | 62-134 | 0.03 | 24 | |
| alpha-Chlordane | 40.7 | 2.4 | ug/kg dry | 39.5 | BRL | 103 | 59-138 | 0.03 | 25 | |
| beta-BHC | 39.1 | 2.4 | ug/kg dry | 39.5 | BRL | 99 | 67-144 | 1 | 17 | |
| delta-BHC | 43.4 | 2.4 | ug/kg dry | 39.5 | BRL | 110 | 70-138 | 0.03 | 18 | |
| Dieldrin | 41.1 | 2.4 | ug/kg dry | 39.5 | BRL | 104 | 60-141 | 0.03 | 30 | |
| Endosulfan I | 41.1 | 2.4 | ug/kg dry | 39.5 | BRL | 104 | 66-137 | 1 | 32 | |
| Endosulfan II | 40.7 | 2.4 | ug/kg dry | 39.5 | BRL | 103 | 70-141 | 0.03 | 20 | |
| Endosulfan Sulfate | 40.7 | 2.4 | ug/kg dry | 39.5 | BRL | 103 | 65-153 | 3 | 24 | |
| Endrin | 42.3 | 2.4 | ug/kg dry | 39.5 | BRL | 107 | 65-164 | 1 | 21 | |
| Endrin Aldehyde | 39.1 | 2.4 | ug/kg dry | 39.5 | BRL | 99 | 63-147 | 2 | 35 | |
| Endrin Ketone | 41.1 | 2.4 | ug/kg dry | 39.5 | BRL | 104 | 65-152 | 3 | 18 | |
| gamma-BHC | 43.1 | 2.4 | ug/kg dry | 39.5 | BRL | 109 | 62-137 | 0.03 | 22 | |
| gamma-Chlordane | 41.5 | 2.4 | ug/kg dry | 39.5 | BRL | 105 | 59-139 | 2 | 27 | |
| Heptachlor | 43.4 | 2.4 | ug/kg dry | 39.5 | BRL | 110 | 63-142 | 4 | 27 | |
| Heptachlor Epoxide | 39.9 | 2.4 | ug/kg dry | 39.5 | BRL | 101 | 63-136 | 1 | 18 | |
| Methoxychlor | 42.7 | 2.4 | ug/kg dry | 39.5 | BRL | 108 | 60-179 | 6 | 30 | |
| *Surrogate: Decachlorobiphenyl* | *35.2* | | *ug/kg dry* | *39.5* | | *89* | *26-204* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *35.2* | | *ug/kg dry* | *39.5* | | *89* | *40-162* | | | |

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

Hart & Hickman (Charlotte)
n: Matt Bramblett
23 South Tryon St. Ste 100
Charlotte, NC 28203

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**Polychlorinated Biphenyls (PCBs) by GC/ECD - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0G0636 - 3550C GC** | | | | | | | | | | |
| **Blank (P0G0636-BLK1)** | | | | Prepared: 07/30/10 | | Analyzed: 08/03/10 | | | | |
| Aroclor 1016 | BRL | 0.050 | mg/kg | | | | | | | |
| Aroclor 1221 | BRL | 0.10 | mg/kg | | | | | | | |
| Aroclor 1232 | BRL | 0.10 | mg/kg | | | | | | | |
| Aroclor 1242 | BRL | 0.050 | mg/kg | | | | | | | |
| Aroclor 1248 | BRL | 0.050 | mg/kg | | | | | | | |
| Aroclor 1254 | BRL | 0.050 | mg/kg | | | | | | | |
| Aroclor 1260 | BRL | 0.050 | mg/kg | | | | | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0280* | | *mg/kg* | *0.0333* | | *84* | *36-182* | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0283* | | *mg/kg* | *0.0333* | | *85* | *34-182* | | | |
| **LCS (P0G0636-BS1)** | | | | Prepared: 07/30/10 | | Analyzed: 08/03/10 | | | | |
| Aroclor 1016 | 0.270 | 0.050 | mg/kg | 0.333 | | 81 | 64-151 | | | |
| Aroclor 1260 | 0.264 | 0.050 | mg/kg | 0.333 | | 79 | 45-166 | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0243* | | *mg/kg* | *0.0333* | | *73* | *36-182* | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0243* | | *mg/kg* | *0.0333* | | *73* | *34-182* | | | |
| **LCS Dup (P0G0636-BSD1)** | | | | Prepared: 07/30/10 | | Analyzed: 08/04/10 | | | | |
| clor 1016 | 0.282 | 0.050 | mg/kg | 0.333 | | 85 | 64-151 | 4 | 200 | |
| clor 1260 | 0.282 | 0.050 | mg/kg | 0.333 | | 84 | 45-166 | 6 | 200 | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0270* | | *mg/kg* | *0.0333* | | *81* | *36-182* | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0240* | | *mg/kg* | *0.0333* | | *72* | *34-182* | | | |
| **Matrix Spike (P0G0636-MS1)** | | **Source: 0070698-06** | | Prepared: 07/30/10 | | Analyzed: 08/04/10 | | | | |
| Aroclor 1016 | 0.312 | 0.050 | mg/kg | 0.333 | BRL | 94 | 14-192 | | | |
| Aroclor 1260 | 0.305 | 0.050 | mg/kg | 0.333 | BRL | 92 | 10-192 | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0270* | | *mg/kg* | *0.0333* | | *81* | *36-182* | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0267* | | *mg/kg* | *0.0333* | | *80* | *34-182* | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**Polychlorinated Biphenyls (PCBs) by GC/ECD - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0G0636 - 3550C GC** | | | | | | | | | | |
| **Matrix Spike Dup (P0G0636-MSD1)** | | **Source: 0070698-06** | | Prepared: 07/30/10 | Analyzed: 08/04/10 | | | | | |
| Aroclor 1016 | 0.298 | 0.050 | mg/kg | 0.333 | BRL | 89 | 14-192 | 5 | 50 | |
| Aroclor 1260 | 0.308 | 0.050 | mg/kg | 0.333 | BRL | 92 | 10-192 | 0.9 | 50 | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0267* | | *mg/kg* | *0.0333* | | *80* | *36-182* | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0280* | | *mg/kg* | *0.0333* | | *84* | *34-182* | | | |

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

Hart & Hickman (Charlotte)
n: Matt Bramblett
23 South Tryon St. Ste 100
Charlotte, NC 28203

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**Total Metals - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0G0603 - 3050B** | | | | | | | | | | |
| **Blank (P0G0603-BLK1)** | | | | Prepared & Analyzed: 07/29/10 | | | | | | |
| Aluminum | 3.06 | 2.5 | mg/kg wet | | | | | | | BH |
| Antimony | BRL | 0.20 | mg/kg wet | | | | | | | |
| Arsenic | BRL | 0.50 | mg/kg wet | | | | | | | |
| Barium | BRL | 0.50 | mg/kg wet | | | | | | | |
| Beryllium | BRL | 0.25 | mg/kg wet | | | | | | | |
| Cadmium | BRL | 0.25 | mg/kg wet | | | | | | | |
| Calcium | BRL | 10 | mg/kg wet | | | | | | | BH |
| Chromium | BRL | 0.25 | mg/kg wet | | | | | | | |
| Cobalt | BRL | 0.25 | mg/kg wet | | | | | | | |
| Copper | BRL | 0.50 | mg/kg wet | | | | | | | |
| Iron | BRL | 5.0 | mg/kg wet | | | | | | | BH |
| Lead | BRL | 0.25 | mg/kg wet | | | | | | | |
| Magnesium | BRL | 2.5 | mg/kg wet | | | | | | | |
| Manganese | BRL | 0.25 | mg/kg wet | | | | | | | |
| Nickel | BRL | 1.0 | mg/kg wet | | | | | | | |
| Potassium | BRL | 2.5 | mg/kg wet | | | | | | | BH |
| enium | BRL | 0.50 | mg/kg wet | | | | | | | |
| er | BRL | 0.25 | mg/kg wet | | | | | | | |
| Sodium | BRL | 15 | mg/kg wet | | | | | | | |
| Thallium | BRL | 0.50 | mg/kg wet | | | | | | | |
| Vanadium | BRL | 0.25 | mg/kg wet | | | | | | | |
| Zinc | BRL | 2.5 | mg/kg wet | | | | | | | |
| **LCS (P0G0603-BS1)** | | | | Prepared & Analyzed: 07/29/10 | | | | | | |
| Aluminum | 94.0 | 2.5 | mg/kg wet | 100 | | 94 | 80-120 | | | |
| Antimony | 22.5 | 0.20 | mg/kg wet | 25.0 | | 90 | 80-120 | | | |
| Arsenic | 22.8 | 0.50 | mg/kg wet | 25.0 | | 91 | 80-120 | | | |
| Barium | 24.0 | 0.50 | mg/kg wet | 25.0 | | 96 | 80-120 | | | |
| Beryllium | 23.7 | 0.25 | mg/kg wet | 25.0 | | 95 | 80-120 | | | |
| Cadmium | 22.9 | 0.25 | mg/kg wet | 25.0 | | 92 | 80-120 | | | |
| Calcium | 108 | 10 | mg/kg wet | 100 | | 108 | 80-120 | | | |
| Chromium | 24.2 | 0.25 | mg/kg wet | 25.0 | | 97 | 80-120 | | | |
| Cobalt | 24.4 | 0.25 | mg/kg wet | 25.0 | | 98 | 80-120 | | | |
| Copper | 25.4 | 0.50 | mg/kg wet | 25.0 | | 101 | 80-120 | | | |
| Iron | 102 | 5.0 | mg/kg wet | 100 | | 102 | 80-120 | | | |
| Lead | 23.2 | 0.25 | mg/kg wet | 25.0 | | 93 | 80-120 | | | |
| Magnesium | 91.9 | 2.5 | mg/kg wet | 100 | | 92 | 80-120 | | | |
| Manganese | 23.9 | 0.25 | mg/kg wet | 25.0 | | 96 | 80-120 | | | |
| Nickel | 23.4 | 1.0 | mg/kg wet | 25.0 | | 94 | 80-120 | | | |
| Potassium | 100 | 2.5 | mg/kg wet | 100 | | 100 | 80-120 | | | |
| Selenium | 22.3 | 0.50 | mg/kg wet | 25.0 | | 89 | 80-120 | | | |
| Silver | 23.5 | 0.25 | mg/kg wet | 25.0 | | 94 | 80-120 | | | |
| Sodium | 99.0 | 15 | mg/kg wet | 100 | | 99 | 80-120 | | | |
| Thallium | 22.8 | 0.50 | mg/kg wet | 25.0 | | 91 | 80-120 | | | |
| adium | 24.4 | 0.25 | mg/kg wet | 25.0 | | 97 | 80-120 | | | |
| c | 23.1 | 2.5 | mg/kg wet | 25.0 | | 92 | 80-120 | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**Total Metals - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0G0603 - 3050B** | | | | | | | | | | |
| **Matrix Spike (P0G0603-MS1)** | | **Source: 0070698-01** | | Prepared: 07/29/10 | Analyzed: 08/02/10 | | | | | |
| Aluminum | 5820 | 280 | mg/kg dry | 112 | 4160 | NR | 75-125 | | | MC |
| Antimony | 12.0 | 0.22 | mg/kg dry | 28.0 | 6.27 | 20 | 75-125 | | | MI |
| Arsenic | 118 | 0.56 | mg/kg dry | 28.0 | 88.2 | 105 | 75-125 | | | |
| Barium | 1010 | 56 | mg/kg dry | 28.0 | 826 | 650 | 75-125 | | | MC |
| Beryllium | 17.7 | 0.28 | mg/kg dry | 28.0 | 0.148 | 63 | 75-125 | | | MI |
| Cadmium | 29.5 | 0.28 | mg/kg dry | 28.0 | 14.3 | 54 | 75-125 | | | MI |
| Calcium | 1140 | 11 | mg/kg dry | 112 | 929 | 190 | 75-125 | | | MC |
| Chromium | 18.0 | 0.28 | mg/kg dry | 28.0 | 0.0642 | 64 | 75-125 | | | MI |
| Cobalt | 72.9 | 0.28 | mg/kg dry | 28.0 | 54.6 | 65 | 75-125 | | | MI |
| Copper | 5060 | 56 | mg/kg dry | 28.0 | 5540 | NR | 75-125 | | | MC |
| Iron | 224000 | 2800 | mg/kg dry | 112 | 262000 | NR | 75-125 | | | MC |
| Lead | 913 | 28 | mg/kg dry | 28.0 | 739 | 622 | 75-125 | | | MC |
| Magnesium | 2930 | 280 | mg/kg dry | 112 | 2670 | 226 | 75-125 | | | MC |
| Manganese | 116 | 0.28 | mg/kg dry | 28.0 | 94.2 | 78 | 75-125 | | | |
| Nickel | 19.0 | 1.1 | mg/kg dry | 28.0 | 3.13 | 57 | 75-125 | | | MI |
| Potassium | 592 | 2.8 | mg/kg dry | 112 | 376 | 193 | 75-125 | | | MC |
| Selenium | BRL | 0.56 | mg/kg dry | 28.0 | BRL | | 75-125 | | | |
| Silver | 23.6 | 0.28 | mg/kg dry | 28.0 | 1.06 | 81 | 75-125 | | | |
| Sodium | 177 | 17 | mg/kg dry | 112 | 70.9 | 95 | 75-125 | | | |
| Thallium | 12.5 | 0.56 | mg/kg dry | 28.0 | BRL | 45 | 75-125 | | | MI |
| Vanadium | 30.5 | 0.28 | mg/kg dry | 28.0 | 12.8 | 63 | 75-125 | | | MI |
| Zinc | 6050 | 280 | mg/kg dry | 28.0 | 5440 | NR | 75-125 | | | MC |
| **Matrix Spike Dup (P0G0603-MSD1)** | | **Source: 0070698-01** | | Prepared: 07/29/10 | Analyzed: 08/02/10 | | | | | |
| Aluminum | 6020 | 280 | mg/kg dry | 112 | 4160 | NR | 75-125 | 3 | 20 | MC |
| Antimony | 14.4 | 0.22 | mg/kg dry | 28.0 | 6.27 | 29 | 75-125 | 19 | 20 | MI |
| Arsenic | 108 | 0.56 | mg/kg dry | 28.0 | 88.2 | 71 | 75-125 | 8 | 20 | MI |
| Barium | 1110 | 56 | mg/kg dry | 28.0 | 826 | NR | 75-125 | 10 | 20 | MC |
| Beryllium | 15.8 | 0.28 | mg/kg dry | 28.0 | 0.148 | 56 | 75-125 | 11 | 20 | MI |
| Cadmium | 27.4 | 0.28 | mg/kg dry | 28.0 | 14.3 | 47 | 75-125 | 7 | 20 | MI |
| Calcium | 1240 | 11 | mg/kg dry | 112 | 929 | 274 | 75-125 | 8 | 20 | MC |
| Chromium | 16.0 | 0.28 | mg/kg dry | 28.0 | 0.0642 | 57 | 75-125 | 12 | 20 | MI |
| Cobalt | 68.9 | 0.28 | mg/kg dry | 28.0 | 54.6 | 51 | 75-125 | 6 | 20 | MI |
| Copper | 5030 | 56 | mg/kg dry | 28.0 | 5540 | NR | 75-125 | 0.7 | 20 | MC |
| Iron | 245000 | 2800 | mg/kg dry | 112 | 262000 | NR | 75-125 | 9 | 20 | MC |
| Lead | 850 | 28 | mg/kg dry | 28.0 | 739 | 395 | 75-125 | 7 | 20 | MC |
| Magnesium | 3130 | 280 | mg/kg dry | 112 | 2670 | 404 | 75-125 | 7 | 20 | MC |
| Manganese | 118 | 0.28 | mg/kg dry | 28.0 | 94.2 | 84 | 75-125 | 1 | 20 | |
| Nickel | 17.1 | 1.1 | mg/kg dry | 28.0 | 3.13 | 50 | 75-125 | 11 | 20 | MI |
| Potassium | 521 | 2.8 | mg/kg dry | 112 | 376 | 129 | 75-125 | 13 | 20 | MC |
| Selenium | BRL | 0.56 | mg/kg dry | 28.0 | BRL | | 75-125 | | 20 | MI |
| Silver | 20.7 | 0.28 | mg/kg dry | 28.0 | 1.06 | 70 | 75-125 | 13 | 20 | MI |
| Sodium | 158 | 17 | mg/kg dry | 112 | 70.9 | 78 | 75-125 | 12 | 20 | |
| Thallium | 10.4 | 0.56 | mg/kg dry | 28.0 | BRL | 37 | 75-125 | 18 | 20 | MI |
| Vanadium | 29.3 | 0.28 | mg/kg dry | 28.0 | 12.8 | 59 | 75-125 | 4 | 20 | |
| Zinc | 6480 | 280 | mg/kg dry | 28.0 | 5440 | NR | 75-125 | 7 | 20 | |

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

Hart & Hickman (Charlotte)
Attn: Matt Bramblett
223 South Tryon St. Ste 100
Charlotte, NC 28203

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**Total Metals - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0G0603 - 3050B** | | | | | | | | | | |
| **Post Spike (P0G0603-PS1)** | | **Source: 0070698-01** | | Prepared & Analyzed: 07/29/10 | | | | | | |
| Aluminum | 111 | | mg/L | 4.00 | 149 | NR | 80-120 | | | MI |
| Antimony | 0.909 | | mg/L | 1.00 | 0.224 | 68 | 80-120 | | | MI |
| Arsenic | 3.79 | | mg/L | 1.00 | 3.15 | 64 | 80-120 | | | MI |
| Barium | 16.5 | | mg/L | 1.00 | 29.5 | NR | 80-120 | | | MI |
| Beryllium | 0.674 | | mg/L | 1.00 | 0.00528 | 67 | 80-120 | | | MI |
| Cadmium | 1.06 | | mg/L | 1.00 | 0.511 | 55 | 80-120 | | | MI |
| Calcium | 38.1 | | mg/L | 4.00 | 33.2 | 123 | 80-120 | | | MI |
| Chromium | 0.673 | | mg/L | 1.00 | 0.00229 | 67 | 80-120 | | | MI |
| Cobalt | 2.52 | | mg/L | 1.00 | 1.95 | 57 | 80-120 | | | MI |
| Copper | 0.00 | | mg/L | 1.00 | 198 | NR | 80-120 | | | MI |
| Iron | 0.00 | | mg/L | 4.00 | 9350 | NR | 80-120 | | | MI |
| Lead | 14.0 | | mg/L | 1.00 | 26.4 | NR | 80-120 | | | MI |
| Magnesium | 46.8 | | mg/L | 4.00 | 95.5 | NR | 80-120 | | | MI |
| Manganese | 3.90 | | mg/L | 1.00 | 3.36 | 54 | 80-120 | | | MI |
| Nickel | 0.708 | | mg/L | 1.00 | 0.112 | 60 | 80-120 | | | MI |
| Potassium | 16.9 | | mg/L | 4.00 | 13.4 | 86 | 80-120 | | | |
| Selenium | -1.58 | | mg/L | 1.00 | -2.33 | 233 | 80-120 | | | MI |
| Silver | 0.874 | | mg/L | 1.00 | 0.0379 | 84 | 80-120 | | | |
| Sodium | 6.30 | | mg/L | 4.00 | 2.53 | 94 | 80-120 | | | |
| Thallium | 0.473 | | mg/L | 1.00 | -0.104 | 58 | 80-120 | | | MI |
| Vanadium | 1.18 | | mg/L | 1.00 | 0.458 | 73 | 80-120 | | | MI |
| Zinc | 41.7 | | mg/L | 1.00 | 194 | NR | 80-120 | | | MI |
| **Batch P0H0022 - 7471B** | | | | | | | | | | |
| **Blank (P0H0022-BLK1)** | | | | Prepared: 08/02/10 Analyzed: 08/03/10 | | | | | | |
| Mercury | BRL | 0.020 | mg/kg wet | | | | | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**Total Metals - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0H0022 - 7471B** | | | | | | | | | | |
| **LCS (P0H0022-BS1)** | | | | Prepared: 08/02/10 | | Analyzed: 08/03/10 | | | | |
| Mercury | 0.431 | 0.020 | mg/kg wet | 0.417 | | 104 | 80-120 | | | |
| **Matrix Spike (P0H0022-MS1)** | | Source: 0070698-01 | | Prepared: 08/02/10 | | Analyzed: 08/03/10 | | | | |
| Mercury | 0.609 | 0.022 | mg/kg dry | 0.467 | 0.106 | 108 | 80-120 | | | |
| **Matrix Spike Dup (P0H0022-MSD1)** | | Source: 0070698-01 | | Prepared: 08/02/10 | | Analyzed: 08/03/10 | | | | |
| Mercury | 0.598 | 0.022 | mg/kg dry | 0.452 | 0.106 | 109 | 80-120 | 2 | 20 | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**TCLP Metals - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0H0021 - 7470A** | | | | | | | | | | |
| **Blank (P0H0021-BLK1)** | | | | Prepared: 08/02/10 Analyzed: 08/03/10 | | | | | | |
| Mercury | BRL | 0.00020 | mg/L | | | | | | | |
| **LCS (P0H0021-BS1)** | | | | Prepared: 08/02/10 Analyzed: 08/03/10 | | | | | | |
| Mercury | 0.00981 | 0.00020 | mg/L | 0.00938 | | 105 | 80-120 | | | |
| **Matrix Spike (P0H0021-MS1)** | | Source: 0070698-01 | | Prepared: 08/02/10 Analyzed: 08/03/10 | | | | | | |
| Mercury | 0.00945 | 0.00020 | mg/L | 0.00938 | 0.0000103 | 101 | 80-120 | | | |
| **Matrix Spike Dup (P0H0021-MSD1)** | | Source: 0070698-01 | | Prepared: 08/02/10 Analyzed: 08/03/10 | | | | | | |
| Mercury | 0.00966 | 0.00020 | mg/L | 0.00938 | 0.0000103 | 103 | 80-120 | 2 | 20 | |
| **Batch P0H0280 - 3010A** | | | | | | | | | | |
| **Blank (P0H0280-BLK1)** | | | | Prepared & Analyzed: 08/12/10 | | | | | | |
| Arsenic | BRL | 0.010 | mg/L | | | | | | | |
| Barium | BRL | 0.010 | mg/L | | | | | | | |
| Cadmium | BRL | 0.0010 | mg/L | | | | | | | |
| Chromium | BRL | 0.0050 | mg/L | | | | | | | |
| Lead | BRL | 0.0050 | mg/L | | | | | | | |
| Selenium | BRL | 0.020 | mg/L | | | | | | | |
| Silver | BRL | 0.0050 | mg/L | | | | | | | |
| **LCS (P0H0280-BS1)** | | | | Prepared & Analyzed: 08/12/10 | | | | | | |
| Arsenic | 0.223 | 0.050 | mg/L | 0.250 | | 89 | 80-120 | | | |
| Barium | 0.208 | 5.0 | mg/L | 0.250 | | 83 | 80-120 | | | |
| Cadmium | 0.209 | 0.025 | mg/L | 0.250 | | 84 | 80-120 | | | |
| Chromium | 0.210 | 0.25 | mg/L | 0.250 | | 84 | 80-120 | | | |
| Lead | 0.205 | 0.050 | mg/L | 0.250 | | 82 | 80-120 | | | |
| Selenium | 0.241 | 0.050 | mg/L | 0.250 | | 96 | 80-120 | | | |
| Silver | 0.244 | 0.25 | mg/L | 0.250 | | 98 | 80-120 | | | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**TCLP Metals - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0H0280 - 3010A** | | | | | | | | | | |
| **Matrix Spike (P0H0280-MS1)** | | **Source: 0070698-02RE1** | | Prepared & Analyzed: 08/12/10 | | | | | | |
| Arsenic | 0.223 | 0.010 | mg/L | 0.250 | BRL | 89 | 75-125 | | | |
| Barium | 0.501 | 0.010 | mg/L | 0.250 | 0.296 | 82 | 75-125 | | | |
| Cadmium | 0.229 | 0.0010 | mg/L | 0.250 | 0.0233 | 82 | 75-125 | | | |
| Chromium | 0.208 | 0.0050 | mg/L | 0.250 | 0.00109 | 83 | 75-125 | | | |
| Lead | 0.262 | 0.0050 | mg/L | 0.250 | 0.0590 | 81 | 75-125 | | | |
| Selenium | 0.232 | 0.020 | mg/L | 0.250 | 0.00394 | 91 | 75-125 | | | |
| Silver | 0.241 | 0.0050 | mg/L | 0.250 | BRL | 96 | 75-125 | | | |
| **Matrix Spike Dup (P0H0280-MSD1)** | | **Source: 0070698-02RE1** | | Prepared & Analyzed: 08/12/10 | | | | | | |
| Arsenic | 0.229 | 0.010 | mg/L | 0.250 | BRL | 92 | 75-125 | 3 | 20 | |
| Barium | 0.513 | 0.010 | mg/L | 0.250 | 0.296 | 87 | 75-125 | 2 | 20 | |
| Cadmium | 0.235 | 0.0010 | mg/L | 0.250 | 0.0233 | 85 | 75-125 | 3 | 20 | |
| Chromium | 0.215 | 0.0050 | mg/L | 0.250 | 0.00109 | 86 | 75-125 | 3 | 20 | |
| Lead | 0.269 | 0.0050 | mg/L | 0.250 | 0.0590 | 84 | 75-125 | 3 | 20 | |
| Selenium | 0.239 | 0.020 | mg/L | 0.250 | 0.00394 | 94 | 75-125 | 3 | 20 | |
| Silver | 0.249 | 0.0050 | mg/L | 0.250 | BRL | 99 | 75-125 | 3 | 20 | |

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

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

Project: ROW-204

Project No: WBS# 34871.1.1

Prism Work Order: 0070698
Time Submitted: 7/26/10 5:15:00PM

**General Chemistry Parameters - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch P0H0139 - 9010C** | | | | | | | | | | |
| **Blank (P0H0139-BLK1)** | | | | Prepared & Analyzed: 08/06/10 | | | | | | |
| Cyanide | BRL | 0.50 | mg/kg wet | | | | | | | |
| **LCS (P0H0139-BS1)** | | | | Prepared & Analyzed: 08/06/10 | | | | | | |
| Cyanide | 4.91 | 0.50 | mg/kg wet | 4.99 | | 98 | 80-120 | | | |
| **Matrix Spike (P0H0139-MS1)** | | Source: 0070698-01 | | Prepared & Analyzed: 08/06/10 | | | | | | |
| Cyanide | 3.41 | 0.56 | mg/kg dry | 5.59 | 0.146 | 58 | 80-120 | | | MI |

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

## Sample Extraction Data

**Prep Method: 9010C**

| Lab Number | Batch | Initial | Final | Date |
|---|---|---|---|---|
| 0070698-01 | P0H0139 | 1.0001 g | 50 mL | 08/06/10 |
| 0070698-02 | P0H0139 | 1.0027 g | 50 mL | 08/06/10 |
| 0070698-03 | P0H0139 | 1.0036 g | 50 mL | 08/06/10 |
| 0070698-04 | P0H0139 | 1.0007 g | 50 mL | 08/06/10 |
| 0070698-05 | P0H0139 | 1.0001 g | 50 mL | 08/06/10 |
| 0070698-06 | P0H0139 | 1.0012 g | 50 mL | 08/06/10 |

**NO PREP**

| Lab Number | Batch | Initial | Final | Date |
|---|---|---|---|---|
| 0070698-01 | P0H0041 | 30 g | 30 mL | 08/02/10 |
| 0070698-02 | P0H0041 | 30 g | 30 mL | 08/02/10 |
| 0070698-03 | P0H0041 | 30 g | 30 mL | 08/02/10 |
| 0070698-04 | P0H0041 | 30 g | 30 mL | 08/02/10 |
| 0070698-05 | P0H0041 | 30 g | 30 mL | 08/02/10 |
| 0070698-06 | P0H0041 | 30 g | 30 mL | 08/02/10 |

**Prep Method: 3550C GC**

| Lab Number | Batch | Initial | Final | Date |
|---|---|---|---|---|
| 0070698-01 | P0G0635 | 30.14 g | 10 mL | 07/30/10 |
| 0070698-02 | P0G0635 | 30.29 g | 10 mL | 07/30/10 |
| 0070698-03 | P0G0635 | 30.05 g | 10 mL | 07/30/10 |
| 0070698-04 | P0G0635 | 30.25 g | 10 mL | 07/30/10 |
| 0070698-05 | P0G0635 | 30.43 g | 10 mL | 07/30/10 |
| 0070698-06 | P0G0635 | 29.77 g | 10 mL | 07/30/10 |

**Prep Method: 3550C GC**

| Lab Number | Batch | Initial | Final | Date |
|---|---|---|---|---|
| 0070698-01 | P0G0636 | 30 g | 10 mL | 07/30/10 |
| 0070698-02 | P0G0636 | 30 g | 10 mL | 07/30/10 |
| 0070698-03 | P0G0636 | 30 g | 10 mL | 07/30/10 |
| 0070698-04 | P0G0636 | 30 g | 10 mL | 07/30/10 |
| 0070698-05 | P0G0636 | 30 g | 10 mL | 07/30/10 |
| 0070698-06 | P0G0636 | 30 g | 10 mL | 07/30/10 |

**Prep Method: 3550C MS**

| Lab Number | Batch | Initial | Final | Date |
|---|---|---|---|---|
| 0070698-01 | P0G0626 | 30.18 g | 1 mL | 07/29/10 |
| 0070698-02 | P0G0626 | 30.15 g | 1 mL | 07/29/10 |
| 0070698-03 | P0G0626 | 29.78 g | 1 mL | 07/29/10 |
| 0070698-04 | P0G0626 | 30.32 g | 1 mL | 07/29/10 |
| 0070698-05 | P0G0626 | 30.03 g | 1 mL | 07/29/10 |
| 0070698-06 | P0G0626 | 30.32 g | 1 mL | 07/29/10 |

**Prep Method: 1311**

| Lab Number | Batch | Initial | Final | Date |
|---|---|---|---|---|
| 0070698-01 | P0G0656 | 100 g | 2000 mL | 07/30/10 |
| 0070698-02 | P0G0656 | 100 g | 2000 mL | 07/30/10 |
| 0070698-03 | P0G0656 | 100 g | 2000 mL | 07/30/10 |
| 0070698-04 | P0G0656 | 100 g | 2000 mL | 07/30/10 |
| 0070698-05 | P0G0656 | 100 g | 2000 mL | 07/30/10 |
| 0070698-06 | P0G0656 | 100 g | 2000 mL | 07/30/10 |

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

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

## Sample Extraction Data

**Prep Method: 3010A**

| Lab Number | Batch | Initial | Final | Date |
|---|---|---|---|---|
| 0070698-01RE1 | P0H0280 | 50 mL | 50 mL | 08/12/10 |
| 0070698-02RE1 | P0H0280 | 50 mL | 50 mL | 08/12/10 |
| 0070698-03RE1 | P0H0280 | 50 mL | 50 mL | 08/12/10 |
| 0070698-04RE1 | P0H0280 | 50 mL | 50 mL | 08/12/10 |
| 0070698-05RE1 | P0H0280 | 50 mL | 50 mL | 08/12/10 |
| 0070698-06RE1 | P0H0280 | 50 mL | 50 mL | 08/12/10 |

**Prep Method: 7470A**

| Lab Number | Batch | Initial | Final | Date |
|---|---|---|---|---|
| 0070698-01 | P0H0021 | 20 mL | 30 mL | 08/02/10 |
| 0070698-02 | P0H0021 | 20 mL | 30 mL | 08/02/10 |
| 0070698-03 | P0H0021 | 20 mL | 30 mL | 08/02/10 |
| 0070698-04 | P0H0021 | 20 mL | 30 mL | 08/02/10 |
| 0070698-05 | P0H0021 | 20 mL | 30 mL | 08/02/10 |
| 0070698-06 | P0H0021 | 20 mL | 30 mL | 08/02/10 |

**Prep Method: 3050B**

| Lab Number | Batch | Initial | Final | Date |
|---|---|---|---|---|
| 0070698-01 | P0G0603 | 2 g | 50 mL | 07/29/10 |
| 0070698-01 | P0G0603 | 2 g | 50 mL | 07/29/10 |
| 0070698-01 | P0G0603 | 2 g | 50 mL | 07/29/10 |
| 0070698-02 | P0G0603 | 2 g | 50 mL | 07/29/10 |
| 0070698-02 | P0G0603 | 2 g | 50 mL | 07/29/10 |
| 0070698-03 | P0G0603 | 2 g | 50 mL | 07/29/10 |
| 0070698-03 | P0G0603 | 2 g | 50 mL | 07/29/10 |
| 0070698-04 | P0G0603 | 2.02 g | 50 mL | 07/29/10 |
| 0070698-04 | P0G0603 | 2.02 g | 50 mL | 07/29/10 |
| 0070698-04 | P0G0603 | 2.02 g | 50 mL | 07/29/10 |
| 0070698-05 | P0G0603 | 2 g | 50 mL | 07/29/10 |
| 0070698-05 | P0G0603 | 2 g | 50 mL | 07/29/10 |
| 0070698-06 | P0G0603 | 2 g | 50 mL | 07/29/10 |
| 0070698-06 | P0G0603 | 2 g | 50 mL | 07/29/10 |
| 0070698-06 | P0G0603 | 2 g | 50 mL | 07/29/10 |

**Prep Method: 7471B**

| Lab Number | Batch | Initial | Final | Date |
|---|---|---|---|---|
| 0070698-01 | P0H0022 | 0.61 g | 50 mL | 08/02/10 |
| 0070698-02 | P0H0022 | 0.64 g | 50 mL | 08/02/10 |
| 0070698-03 | P0H0022 | 0.63 g | 50 mL | 08/02/10 |
| 0070698-04 | P0H0022 | 0.61 g | 50 mL | 08/02/10 |
| 0070698-05 | P0H0022 | 0.57 g | 50 mL | 08/02/10 |
| 0070698-06 | P0H0022 | 0.58 g | 50 mL | 08/02/10 |

**Prep Method: 5035**

| Lab Number | Batch | Initial | Final | Date |
|---|---|---|---|---|
| 0070698-01 | P0G0595 | 6.18 g | 5 mL | 07/28/10 |
| 0070698-02 | P0G0595 | 5.21 g | 5 mL | 07/28/10 |
| 0070698-03 | P0G0595 | 5.13 g | 5 mL | 07/28/10 |
| 0070698-04 | P0G0595 | 5.27 g | 5 mL | 07/28/10 |
| 0070698-05 | P0G0595 | 5.46 g | 5 mL | 07/28/10 |
| 0070698-06 | P0G0595 | 5.43 g | 5 mL | 07/28/10 |

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

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

## Subcontracted Analyses

The following analyses were subcontracted to Cape Fear Analytical

| Lab Number | Analysis |
|---|---|
| 0070698-01 | 8290 (Sub) |
| 0070698-02 | 8290 (Sub) |
| 0070698-03 | 8290 (Sub) |
| 0070698-04 | 8290 (Sub) |
| 0070698-05 | 8290 (Sub) |
| 0070698-06 | 8290 (Sub) |

The following analyses were subcontracted to Gulf Coast Analytical Labs, Inc.

| Lab Number | Analysis |
|---|---|
| 0070698-01 | Herbicides (Sub) |
| 0070698-02 | Herbicides (Sub) |
| 0070698-03 | Herbicides (Sub) |
| 0070698-04 | Herbicides (Sub) |
| 0070698-05 | Herbicides (Sub) |
| 0070698-06 | Herbicides (Sub) |

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

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

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

# CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE # TO ENSURE PROPER BILLING:

Project Name: ROW-204
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, P.C.
Report To/Contact Name: M. Brambletts
Reporting Address: 2923 S. Tryon St. Suite 100
Phone: 586 0007 Fax (Yes) (No):
Email (Yes) (No) Email Address: mbrambletts
EDD Type: PDF ✓ Excel ___ Other ___
Site Location Name: Fmr. Carolina Ore
Site Location Physical Address: U.S-52 Winston-Salem, NC

Purchase Order No./Billing Reference: WBS Element 34871.1.
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☒ 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? | ✓ | | |
| Received ON WET ICE? Temp 5.6 | ✓ | | |
| PROPER PRESERVATIVES indicated? | ✓ | | |
| Received WITHIN HOLDING TIMES? | ✓ | | |
| CUSTODY SEALS INTACT? | | | ✓ |
| VOLATILES rec'd W/OUT HEADSPACE | | | ✓ |
| PROPER CONTAINERS used? | ✓ | | |

**TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL**
Certification: NELAC ___ USACE ___ FL ___ NC X SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ___
Sample Iced Upon Collection: YES X NO ___

| CLIENT SAMPLE DESCRIPTION | DATE COLLECTED | TIME COLLECTED MILITARY HOURS | MATRIX (SOIL, WATER OR SLUDGE) | SAMPLE CONTAINER *TYPE SEE BELOW | NO. | SIZE | PRESERVATIVES | 8260 | 8270 | 8081/8082 | Herbicides | BNA | Dioxins | 6020 TAL metals + cyanide | TCLP RCRA metals | REMARKS | PRISM LAB ID NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CO-1 (0-0.5) | 7/26/10 | 1200 | Soil | C-G | 8 | multiple | multiple | X | X | X | X | X | X | X | X | | 01 |
| CO-1 (1.5-2.0) | ↓ | 1230 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 02 |
| CO-2 (0-0.5) | ↓ | 1300 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 03 |
| CO-2 (1.5-2.0) | ↓ | 1330 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 04 |
| CO-3 (0-0.5) | ↓ | 1400 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 05 |
| CO-3 (1.5-2.0) | ↓ | 1430 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 06 |

Sampler's Signature: [signature] Sampled By (Print Name): B. O'Donnell Affiliation: H&H

**PRESS DOWN FIRMLY - 3 COPIES**

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.

| Relinquished By: (Signature) | Received By: (Signature) | Date | Military/Hours |
|---|---|---|---|
| [signature] | | 7-26-10 | 1715 |
| Relinquished By: (Signature) | Received By: (Signature) | Date | |
| | | | |
| Relinquished By: (Signature) | Received For Prism Laboratories By: [signature] | Date 7-26-10 | 17:15 |

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. 00706098

Additional Comments:
* 8081/8082 PCB's Pesticides
* TAL Metals + cyanide
* Detection Limit of <10µg/L or lower on TCLP RCRA metals

**PRISM USE ONLY**
Site Arrival Time
Site Departure Time
Field Tech Fee
Mileage
3X8oz 2-4oz

| NPDES: | 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 |

**SEE REVERSE FOR TERMS & CONDITIONS**

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

© PRISM Laboratories, Inc.

ACCESS
ANALYTICAL, INC.

# ANALYTICAL REPORT

**CLIENT**
Prism Laboratories, Inc.
PO BOX 240543
Charlotte, NC 28224

**ATTENTION**
Angie Overcash

**PROJECT ID**
0070698

**LABORATORY REPORT NUMBER**
210072820

**DATE**
08/04/2010

Primary Data Review By

IntegriSign

Curtis Ekker
Data Validation Manager, GCAL

Secondary Data Review By

*Ashley B. Amick*
Project Manager, Access Analytical, Inc.
aamick@accessanalyticalinc.com

**PLEASE NOTE:**

- **Unless otherwise noted, all analysis on this report performed at Gulf Coast Analytical Labs (GCAL), 7979 GSRI Rd. Baton Rouge, LA 70820.**
- **GCAL is SCDHEC certified laboratory # 73006, NCDENR certified lab # 618, GA certified lab # LA-01955, NELAP certified laboratory # 01955**
- Local support services for this project are provided by Access Analytical, Inc.. Access Analytical is a representative of GCAL serving clients in the SC/NC/GA areas. All questions regarding this report should be directed to your local Access Analytical representative at 803.781.4243 or toll free at 888.315.4243.

*NELAP CERTIFICATE NUMBER 01955*

# ANALYTICAL RESULTS

**PERFORMED BY**

**GULF COAST ANALYTICAL LABORATORIES, INC.**
**7979 GSRI Rd.**
**Baton Rouge, LA 70820**

**Report Date** 08/04/2010

**GCAL Report** 210072820

| | |
|---|---|
| ***Deliver To*** | Prism Laboratories, Inc.<br>PO BOX 240543<br>Charlotte, NC 28224<br>706-529-6364 |
| ***Attn*** | Angie Overcash |

***Project*** 0070698

CASE NARRATIVE

**Client:** Prism Laboratories, Inc. **Report:** 210072820

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

## SEMI-VOLATILES GAS CHROMATOGRAPHY

In the SW-846 8151A analysis for 438433, the MS/MSD recoveries were outside QC limits in a similar manner. This can be attributed to a matrix interference. The LCS/LCSD recoveries are acceptable.

# Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

**Common Abbreviations Utilized in this Report**

| | |
|---|---|
| **ND** | Indicates the result was Not Detected at the specified RDL |
| **DO** | Indicates the result was Diluted Out |
| **MI** | Indicates the result was subject to Matrix Interference |
| **TNTC** | Indicates the result was Too Numerous To Count |
| **SUBC** | Indicates the analysis was Sub-Contracted |
| **FLD** | Indicates the analysis was performed in the Field |
| **PQL** | Practical Quantitation Limit |
| **MDL** | Method Detection Limit |
| **RDL** | Reporting Detection Limit |
| **00:00** | Reported as a time equivalent to 12:00 AM |

**Reporting Flags Utilized in this Report**

| | |
|---|---|
| **J** | Indicates an estimated value |
| **U** | Indicates the compound was analyzed for but not detected |
| **B** | (ORGANICS) Indicates the analyte was detected in the associated Method Blank |
| **B** | (INORGANICS) Indicates the result is between the RDL and MDL |

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

IntegriSign

Robyn Migues
Technical Director
**GCAL REPORT** 210072820

THIS REPORT CONTAINS IntegriSign PAGES.

# Report Sample Summary

| GCAL ID | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|---|---|---|---|---|
| 21007282001 | CO-1 (0-0.5) | Solid | 07/26/2010 12:00 | 07/28/2010 09:15 |
| 21007282002 | CO-1 (1.5-2.0) | Solid | 07/26/2010 12:30 | 07/28/2010 09:15 |
| 21007282003 | CO-2 (0-0.5) | Solid | 07/26/2010 13:00 | 07/28/2010 09:15 |
| 21007282004 | CO-2 (1.5-2.0) | Solid | 07/26/2010 13:30 | 07/28/2010 09:15 |
| 21007282005 | CO-3 (0-0.5) | Solid | 07/26/2010 14:00 | 07/28/2010 09:15 |
| 21007282006 | CO-3 (1.5-2.0) | Solid | 07/26/2010 14:30 | 07/28/2010 09:15 |

# Summary of Compounds Detected

| GCAL ID | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|---|---|---|---|---|
| 210072820005 | CO-3 (0-0.5) | Solid | 07/26/2010 14:00 | 07/28/2010 09:15 |

## SW-846 8151A

| CAS# | Parameter | Result | RDL | MDL | Units |
|---|---|---|---|---|---|
| 93-65-2 | MCPP | 6070 | 2250 | 457 | ug/Kg |

| GCAL ID | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|---|---|---|---|---|
| 21007282001 | CO-1 (0-0.5) | Solid | 07/26/2010 12:00 | 07/28/2010 09:15 |

## SW-846 8151A

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed | By | Analytical Batch |
|---|---|---|---|---|---|---|
| 07/30/2010 14:00 | 438433 | 3550B | 10 | 08/02/2010 23:48 | TLS | 438805 |

| CAS# | Parameter | Result | RDL | MDL | Units |
|---|---|---|---|---|---|
| 94-75-7 | 2,4'-D | 57.7U | 223 | 57.7 | ug/Kg |
| 93-76-5 | 2,4,5-T | 50.8U | 223 | 50.8 | ug/Kg |
| 93-72-1 | 2,4,5-TP (Silvex) | 46.5U | 223 | 46.5 | ug/Kg |
| 94-82-6 | 2,4-DB | 66.2U | 223 | 66.2 | ug/Kg |
| 75-99-0 | Dalapon | 40.4U | 433 | 40.4 | ug/Kg |
| 1918-00-9 | Dicamba | 28.5U | 223 | 28.5 | ug/Kg |
| 120-36-5 | Dichloroprop | 46.3U | 223 | 46.3 | ug/Kg |
| 88-85-7 | Dinoseb | 43.5U | 223 | 43.5 | ug/Kg |
| 94-74-6 | MCPA | 6550U | 21900 | 6550 | ug/Kg |
| 93-65-2 | MCPP | 4450U | 21900 | 4450 | ug/Kg |

| CAS# | Surrogate | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|---|---|---|---|---|---|---|
| 19719-28-9 | DCAA | 66.4 | Diluted Out | ug/Kg | 0* | 18 - 136 |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|---|---|---|---|---|
| 21007282002 | CO-1 (1.5-2.0) | Solid | 07/26/2010 12:30 | 07/28/2010 09:15 |

## SW-846 8151A

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed | By | Analytical Batch |
|---|---|---|---|---|---|---|
| 07/30/2010 14:00 | 438433 | 3550B | 1 | 08/03/2010 00:18 | TLS | 438805 |

| CAS# | Parameter | Result | RDL | MDL | Units |
|---|---|---|---|---|---|
| 94-75-7 | 2,4'-D | 6.23U | 24.1 | 6.23 | ug/Kg |
| 93-76-5 | 2,4,5-T | 5.49U | 24.1 | 5.49 | ug/Kg |
| 93-72-1 | 2,4,5-TP (Silvex) | 5.02U | 24.1 | 5.02 | ug/Kg |
| 94-82-6 | 2,4-DB | 7.15U | 24.1 | 7.15 | ug/Kg |
| 75-99-0 | Dalapon | 4.36U | 46.8 | 4.36 | ug/Kg |
| 1918-00-9 | Dicamba | 3.08U | 24.1 | 3.08 | ug/Kg |
| 120-36-5 | Dichloroprop | 5.00U | 24.1 | 5.00 | ug/Kg |
| 88-85-7 | Dinoseb | 4.70U | 24.1 | 4.70 | ug/Kg |
| 94-74-6 | MCPA | 708U | 2370 | 708 | ug/Kg |
| 93-65-2 | MCPP | 481U | 2370 | 481 | ug/Kg |

| CAS# | Surrogate | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|---|---|---|---|---|---|---|
| 19719-28-9 | DCAA | 66.2 | 50 | ug/Kg | 76 | 18 - 136 |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|---|---|---|---|---|
| 21007282003 | CO-2 (0-0.5) | Solid | 07/26/2010 13:00 | 07/28/2010 09:15 |

## SW-846 8151A

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed | By | Analytical Batch |
|---|---|---|---|---|---|---|
| 07/30/2010 14:00 | 438433 | 3550B | 1 | 08/03/2010 00:48 | TLS | 438805 |

| CAS# | Parameter | Result | RDL | MDL | Units |
|---|---|---|---|---|---|
| 94-75-7 | 2,4'-D | 5.68U | 22.0 | 5.68 | ug/Kg |
| 93-76-5 | 2,4,5-T | 5.00U | 22.0 | 5.00 | ug/Kg |
| 93-72-1 | 2,4,5-TP (Silvex) | 4.57U | 22.0 | 4.57 | ug/Kg |
| 94-82-6 | 2,4-DB | 6.52U | 22.0 | 6.52 | ug/Kg |
| 75-99-0 | Dalapon | 3.97U | 42.6 | 3.97 | ug/Kg |
| 1918-00-9 | Dicamba | 2.80U | 22.0 | 2.80 | ug/Kg |
| 120-36-5 | Dichloroprop | 4.56U | 22.0 | 4.56 | ug/Kg |
| 88-85-7 | Dinoseb | 4.28U | 22.0 | 4.28 | ug/Kg |
| 94-74-6 | MCPA | 645U | 2160 | 645 | ug/Kg |
| 93-65-2 | MCPP | 438U | 2160 | 438 | ug/Kg |

| CAS# | Surrogate | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|---|---|---|---|---|---|---|
| 19719-28-9 | DCAA | 66.4 | 67.5 | ug/Kg | 102 | 18 - 136 |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|---|---|---|---|---|
| 21007282004 | CO-2 (1.5-2.0) | Solid | 07/26/2010 13:30 | 07/28/2010 09:15 |

## SW-846 8151A

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed | By | Analytical Batch |
|---|---|---|---|---|---|---|
| 07/30/2010 14:00 | 438433 | 3550B | 1 | 08/03/2010 01:18 | TLS | 438805 |

| CAS# | Parameter | Result | RDL | MDL | Units |
|---|---|---|---|---|---|
| 94-75-7 | 2,4'-D | 5.87U | 22.7 | 5.87 | ug/Kg |
| 93-76-5 | 2,4,5-T | 5.17U | 22.7 | 5.17 | ug/Kg |
| 93-72-1 | 2,4,5-TP (Silvex) | 4.73U | 22.7 | 4.73 | ug/Kg |
| 94-82-6 | 2,4-DB | 6.73U | 22.7 | 6.73 | ug/Kg |
| 75-99-0 | Dalapon | 4.11U | 44.0 | 4.11 | ug/Kg |
| 1918-00-9 | Dicamba | 2.90U | 22.7 | 2.90 | ug/Kg |
| 120-36-5 | Dichloroprop | 4.71U | 22.7 | 4.71 | ug/Kg |
| 88-85-7 | Dinoseb | 4.43U | 22.7 | 4.43 | ug/Kg |
| 94-74-6 | MCPA | 666U | 2230 | 666 | ug/Kg |
| 93-65-2 | MCPP | 453U | 2230 | 453 | ug/Kg |

| CAS# | Surrogate | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|---|---|---|---|---|---|---|
| 19719-28-9 | DCAA | 66.4 | 60.2 | ug/Kg | 91 | 18 - 136 |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|---|---|---|---|---|
| 21007282005 | CO-3 (0-0.5) | Solid | 07/26/2010 14:00 | 07/28/2010 09:15 |

## SW-846 8151A

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed | By | Analytical Batch |
|---|---|---|---|---|---|---|
| 07/30/2010 14:00 | 438433 | 3550B | 1 | 08/03/2010 01:48 | TLS | 438805 |

| CAS# | Parameter | Result | RDL | MDL | Units |
|---|---|---|---|---|---|
| 94-75-7 | 2,4'-D | 5.92U | 22.9 | 5.92 | ug/Kg |
| 93-76-5 | 2,4,5-T | 5.22U | 22.9 | 5.22 | ug/Kg |
| 93-72-1 | 2,4,5-TP (Silvex) | 4.77U | 22.9 | 4.77 | ug/Kg |
| 94-82-6 | 2,4-DB | 6.80U | 22.9 | 6.80 | ug/Kg |
| 75-99-0 | Dalapon | 4.15U | 44.5 | 4.15 | ug/Kg |
| 1918-00-9 | Dicamba | 2.92U | 22.9 | 2.92 | ug/Kg |
| 120-36-5 | Dichloroprop | 4.75U | 22.9 | 4.75 | ug/Kg |
| 88-85-7 | Dinoseb | 4.47U | 22.9 | 4.47 | ug/Kg |
| 94-74-6 | MCPA | 673U | 2250 | 673 | ug/Kg |
| 93-65-2 | MCPP | 6070 | 2250 | 457 | ug/Kg |

| CAS# | Surrogate | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|---|---|---|---|---|---|---|
| 19719-28-9 | DCAA | 66.4 | 61.7 | ug/Kg | 93 | 18 - 136 |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|---|---|---|---|---|
| 21007282006 | CO-3 (1.5-2.0) | Solid | 07/26/2010 14:30 | 07/28/2010 09:15 |

## SW-846 8151A

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed | By | Analytical Batch |
|---|---|---|---|---|---|---|
| 07/30/2010 14:00 | 438433 | 3550B | 1 | 08/03/2010 02:18 | TLS | 438805 |

| CAS# | Parameter | Result | RDL | MDL | Units |
|---|---|---|---|---|---|
| 94-75-7 | 2,4'-D | 5.86U | 22.7 | 5.86 | ug/Kg |
| 93-76-5 | 2,4,5-T | 5.17U | 22.7 | 5.17 | ug/Kg |
| 93-72-1 | 2,4,5-TP (Silvex) | 4.72U | 22.7 | 4.72 | ug/Kg |
| 94-82-6 | 2,4-DB | 6.73U | 22.7 | 6.73 | ug/Kg |
| 75-99-0 | Dalapon | 4.11U | 44.0 | 4.11 | ug/Kg |
| 1918-00-9 | Dicamba | 2.89U | 22.7 | 2.89 | ug/Kg |
| 120-36-5 | Dichloroprop | 4.71U | 22.7 | 4.71 | ug/Kg |
| 88-85-7 | Dinoseb | 4.43U | 22.7 | 4.43 | ug/Kg |
| 94-74-6 | MCPA | 666U | 2230 | 666 | ug/Kg |
| 93-65-2 | MCPP | 453U | 2230 | 453 | ug/Kg |

| CAS# | Surrogate | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|---|---|---|---|---|---|---|
| 19719-28-9 | DCAA | 66 | 59.4 | ug/Kg | 90 | 18 - 136 |

RESULTS REPORTED ON A DRY WEIGHT BASIS

# General Chromatography Quality Control Summary

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Analytical Batch 438805 | | Client ID | MB438433 | | | LCS438433 | | | LCSD438433 | | |
| Prep Batch 438433 | | GCAL ID | 861968 | | | 861969 | | | 861970 | | |
| Prep Method 3550B | | Sample Type | Method Blank | | | LCS | | | LCSD | | |
| | | Prep Date | 07/30/2010 14:00 | | | 07/30/2010 14:00 | | | 07/30/2010 14:00 | | |
| | | Analytical Date | 08/02/2010 17:44 | | | 08/02/2010 18:15 | | | 08/02/2010 18:45 | | |
| | | Matrix | Solid | | | Solid | | | Solid | | |
| **SW-846 8151A** | | Units | ug/Kg | Spike Added | Result | Result | % R | Control Limits % R | Result | % R | RPD | RPD Limit |
| 94-75-7 | 2,4'-D | | 4.40U | 4.40 | 33.2 | 35.4 | 107 | 19 - 140 | 35.5 | 107 | 0.3 | 40 |
| 93-76-5 | 2,4,5-T | | 3.87U | 3.87 | 33.2 | 28.6 | 86 | 25 - 145 | 31.3 | 95 | 9 | 40 |
| 93-72-1 | 2,4,5-TP (Silvex) | | 3.54U | 3.54 | 33.2 | 29.8 | 90 | 21 - 141 | 33.3 | 101 | 11 | 40 |
| 94-82-6 | 2,4-DB | | 5.05U | 5.05 | 33.2 | 37.3 | 112 | 20 - 150 | 37.8 | 114 | 1 | 40 |
| 75-99-0 | Dalapon | | 3.08U | 3.08 | 32.7 | 31.4 | 96 | 20 - 150 | 27.0 | 83 | 15 | 40 |
| 1918-00-9 | Dicamba | | 2.17U | 2.17 | 32.7 | 30.0 | 92 | 20 - 150 | 31.3 | 96 | 4 | 40 |
| 120-36-5 | Dichloroprop | | 3.53U | 3.53 | 32.7 | 26.3 | 80 | 20 - 150 | 28.9 | 89 | 9 | 40 |
| 88-85-7 | Dinoseb | | 3.32U | 3.32 | 33.2 | 31.4 | 95 | 10 - 140 | 33.8 | 102 | 7 | 40 |
| 94-74-6 | MCPA | | 499U | 499 | 3320 | 2760 | 83 | 20 - 150 | 3130 | 95 | 13 | 40 |
| 93-65-2 | MCPP | | 339U | 339 | 3320 | 2950 | 89 | 20 - 150 | 3190 | 96 | 8 | 40 |
| **Surrogate** | | | | | | | | | | | | |
| 19719-28-9 | DCAA | | 65.9 | 99 | 68.4 | 50.3 | 76 | 18 - 136 | 56.4 | 85 | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Analytical Batch 438805 | | Client ID | SOIL SC072810 | | | 861741MS | | | 861741MSD | | |
| Prep Batch 438433 | | GCAL ID | 21007291001 | | | 862131 | | | 862132 | | |
| Prep Method 3550B | | Sample Type | SAMPLE | | | MS | | | MSD | | |
| | | Prep Date | 07/30/2010 14:00 | | | 07/30/2010 14:00 | | | 07/30/2010 14:00 | | |
| | | Analytical Date | 08/02/2010 22:18 | | | 08/02/2010 22:48 | | | 08/02/2010 23:18 | | |
| | | Matrix | Solid | | | Solid | | | Solid | | |
| **SW-846 8151A** | | Units | ug/Kg | Spike Added | Result | Result | % R | Control Limits % R | Result | % R | RPD | RPD Limit |
| 94-75-7 | 2,4'-D | | 0.00 | 4.38 | 33.2 | 6.39 | 19 | 19 - 140 | 8.41 | 26 | 27 | 40 |
| 93-72-1 | 2,4,5-TP (Silvex) | | 0.00 | 3.53 | 33.2 | 11.5 | 35 | 21 - 141 | 16.8 | 51 | 37 | 40 |
| 75-99-0 | Dalapon | | 0.00 | 3.07 | 32.7 | 0.00 | 0* | 20 - 150 | 0.00 | 0* | 0 | 40 |
| 88-85-7 | Dinoseb | | 0.00 | 3.31 | 33.2 | 29.8 | 90 | 10 - 140 | 31.2 | 95 | 5 | 40 |
| **Surrogate** | | | | | | | | | | | | |
| 19719-28-9 | DCAA | | | | 66.4 | 36.3 | 55 | 18 - 136 | 43.5 | 66 | | |

**SUBCONTRACT ORDER**

**Prism Laboratories, Inc.**

**0070698**

Need Results by 8/4

Access/Excel/R1007250184.xls

**SENDING LABORATORY:**

Prism Laboratories, Inc.
P. O. Box 240543
Charlotte, NC 28224-0543
Phone: 800-529-6364
Fax: 704-525-0409
Project Manager: Angela D. Overcash

**RECEIVING LABORATORY:**

Gulf Coast Analytical Labs, Inc.
7979 GSRI Avenue
Baton Rouge, LA 70820
Phone: (225) 769-4900
Fax: (225) 767-5717

| Analysis | Due | Expires | Laboratory ID | Comments |
|---|---|---|---|---|
| Sample ID: 0070698-01 | Solid | Sampled:07/26/10 12:00 | C01-10-0.5) | 1 |
| Herbicides (Sub) | 08/03/10 15:00 | 08/09/10 12:00 | | Rush due 8/4 |
| *Containers Supplied:* | | | | |
| Sample ID: 0070698-02 | Solid | Sampled:07/26/10 12:30 | C01-(1.5-2.0) | 2 |
| Herbicides (Sub) | 08/03/10 15:00 | 08/09/10 12:30 | | Rush due 8/4 |
| *Containers Supplied:* | | | | |
| Sample ID: 0070698-03 | Solid | Sampled:07/26/10 13:00 | C02-10-0.5) | 3 |
| Herbicides (Sub) | 08/03/10 15:00 | 08/09/10 13:00 | | Rush due 8/4 |
| *Containers Supplied:* | | | | |
| Sample ID: 0070698-04 | Solid | Sampled:07/26/10 13:30 | C02-(1.5-2.0) | 4 |
| Herbicides (Sub) | 08/03/10 15:00 | 08/09/10 13:30 | | Rush due 8/4 |
| *Containers Supplied:* | | | | |
| Sample ID: 0070698-05 | Solid | Sampled:07/26/10 14:00 | C03-(0-0.5) | 5 |
| Herbicides (Sub) | 08/03/10 15:00 | 08/09/10 14:00 | | Rush due 8/4 |
| *Containers Supplied:* | | | | |
| Sample ID: 0070698-06 | Solid | Sampled:07/26/10 14:30 | C03-(1.5-2.0) | 6 |
| Herbicides (Sub) | 08/03/10 15:00 | 08/09/10 14:30 | | Rush due 8/4 |
| *Containers Supplied:* | | | | |

| | | | |
|---|---|---|---|
| [signature] | 7-27-10 | Fedex | 7-27-10 |
| Released By | Date | Received By | Date |
| Fedex | 7-28-10 915 | [signature] | 7-28-10 915 |
| Released By | Date | Received By | Date |

87

Page 1 of 1

CFA | Cape Fear Analytical LLC
an affiliate of The GEL Group INC

3306 Kitty Hawk Road, Suite 120 Wilmington, NC 28405
P 910.795.0421

www.capefearanalytical.com

August 23, 2010

Angie Overcash
Prism Laboratories
7449 Springbrook Road
Charlotte, NC 29224

Re: Lab Subcontract (Dredge)
Work Order: 1545

Dear Ms. Overcash:

Cape Fear Analytical LLC (CFA) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 07, 2010. This original data report has been prepared and reviewed in accordance with CFA's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at 910-795-0421 Ext. 0422.

Sincerely,

Chris Cornwell
Project Manager

Purchase Order: Internal
Enclosures

Sub to Cape Fear Analytical - Priority Overnite

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

2 of 21

# CHAIN OF CUSTODY RECORD

PAGE ___ OF ___ QUOTE # TO ENSURE PROPER BILLING: ___

Project Name: 0070698

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: Same

Address:

Client Company Name: PRISM LABS

Report To/Contact Name: Angie Overcash

Reporting Address: P.O. Box 240543 Charlotte, NC

Phone: ___ Fax (Yes) (No): ___

Email (Yes) (No) Email Address: aovercash@prismlabs.net

EDD Type: ___ PDF ___ Excel ___ Other

Site Location Name:

Site Location Physical Address:

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

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**

Samples Intact? (Yes) (No) (N/A) Custody Seal Intact? (Yes) (No) (N/A)
Received on Wet Ice? (Yes) (No) Temp
PROPER PRESERVATIVES Indicated? (Yes) (No)
Received WITHIN HOLDING TIMES? (Yes) (No)
CUSTODY SEALS INTACT? (Yes) (No) (N/A)
VOLATILES rec'd W/OUT HEADSPACE? (Yes) (No)
PROPER CONTAINERS Used? (Yes) (No)

**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 | NO. | SIZE | PRESERVATIVES | 8280 | | | | | | REMARKS | PRISM LAB ID NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0070698-05 | 7/26/10 | 1400 | S | CG | 1 | 4oz | NA | ✓ | | | | | | CO-3(0-0.5) | |

Rush
This replaces sample shipped 7/28/10

PRESS DOWN FIRMLY - 3 COPIES

Sampler's Signature ___ Sampled By (Print Name) ___ Affiliation ___

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

| Relinquished By: (Signature) | Received By: (Signature) | Date | Military/Hours |
|---|---|---|---|
| | Fed Ex | | |
| Relinquished By: (Signature) | Received By: (Signature) | 8/7/10 | 0910 |
| Relinquished By: (Signature) Fed Ex | Received For Prism Laboratories By: | Date | |

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.

Log-In Group No.

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

Additional Comments: Note: This was due 8/6 - need ASAP

**PRISM USE ONLY**

Site Arrival Time ___ Site Departure Time ___ Field Tech Fee ___ Mileage ___

| NPDES: | 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 |
| ☐ ___ | ☐ ___ | ☐ ___ | ☐ ___ | ☐ ___ | ☐ ___ | ☐ ___ | ☐ ___ | ☐ ___ |

SEE REVERSE FOR TERMS & CONDITIONS

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

ORIGINAL

WO#1545

## SAMPLE RECEIPT CHECKLIST

| | |
|---|---|
| Client: | Work Order: 1545 |
| Received By: CKC | Date Received: 8/7/10 |

| Suspected Hazard Information | Yes | NA | No |
|---|---|---|---|
| Shipped as DOT Hazardous? | | | ✓ |
| Samples identified as Foreign Soil? | | | ✓ |

| | Sample Receipt Criteria | Yes | NA | No | Comments/Qualifiers (required for Non-Conforming Items) |
|---|---|---|---|---|---|
| 1 | Shipping containers received intact and sealed? | ✓ | | | Circle Applicable: seals broken damaged container leaking container other(describe) |
| 2 | Samples requiring cold preservation within 0-6°C? | ✓ | | | Preservation Method: (ice bags blue ice dry ice none other (describe) |
| 3 | Chain of Custody documents included with shipment? | ✓ | | | |
| 4 | Samples requiring chemical preservation at proper pH? | | ✓ | | Sample IDs, containers affected and pH observed: If preservative added, Lot#: |
| 5 | VOA vials free of headspace <6mm bubble? | | ✓ | | Sample IDs, containers affected: |
| 6 | Are Encore containers present? | | | ✓ | (If YES, immediately deliver to volatiles laboratory) |
| 7 | Samples received within holding time? | ✓ | | | Sample IDs, tests affected: |
| 8 | Sample IDs on COC match IDs on containers? | ✓ | | | Sample IDs, containers affected: |
| 9 | Date & time of COC match date & time on containers? | | | ✓ | Sample IDs, containers affected: Container labels have collection time at 12:00 COC has collection time at 14:00. cf 8/9/10 |
| 10 | Number of containers received match number indicated on COC? | ✓ | | | Sample IDs, containers affected: |
| 11 | COC form is properly signed in relinquished/received sections? | ✓ | | | |

Comments:

PM review: Initials: _____ Date: _____

# High Resolution Dioxin and Furan Analysis

# Case Narrative

**HDOX Case Narrative**
**Access Analytical, Inc. (AAIS)**
**SDG 1545**

## Method/Analysis Information

| | |
|---|---|
| **Product:** | **Dioxins/Furans by SW846 Method 8290A in Solids** |
| Analytical Method: | SW846 8290A |
| Extraction Method: | SW846 3540C |
| Analytical Batch Number: | 12812 |
| Clean Up Batch Number: | 12754 |
| Extraction Batch Number: | 12732 |

## Sample Analysis

The following samples were analyzed using the analytical protocol as established in SW846 8290A:

| Sample ID | Client ID |
|---|---|
| 1545001 | 0070698-05 |
| 12001605 | Method Blank (MB) |
| 12001608 | Laboratory Control Sample (LCS) |
| 12001609 | Laboratory Control Sample Duplicate (LCSD) |

The samples in this SDG were analyzed on a "dry weight" basis.

## Preparation/Analytical Method Verification

**SOP Reference**

Procedure for preparation, analysis and reporting of analytical data are controlled by Cape Fear Analytical LLC (CFA) as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with CF-OA-E-002 REV# 7.

Raw data reports are processed and reviewed by the analyst using the TargetLynx software package.

## Calibration Information

**Initial Calibration**

All initial calibration requirements have been met for this sample delivery group (SDG).

**Continuing Calibration Verification (CCV) Requirements**

All associated calibration verification standard(s) (ICV or CCV) met the acceptance criteria.

## Quality Control (QC) Information

**Method Blank (MB) Statement**
The MB(s) analyzed with this SDG met the acceptance criteria.

**Certification Statement**
The test results presented in this document are certified to meet all requirements of the 2003 NELAC Standard.

**Surrogate Recoveries**
All surrogate recoveries were within the established acceptance criteria for this SDG.

**Laboratory Control Sample (LCS) Recovery**
The LCS spike recoveries met the acceptance limits.

**Laboratory Control Sample Duplicate (LCSD) Recovery**
The LCSD spike recoveries met the acceptance limits.

**LCS/LCSD Relative Percent Difference (RPD) Statement**
The RPD(s) between the LCS and LCSD met the acceptance limits.

**QC Sample Designation**
A matrix spike and matrix spike duplicate analysis was not required for this SDG.

## Technical Information

**Holding Time Specifications**
CFA assigns holding times based on the associated methodology, which assigns the date and time from sample collection. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

**Preparation/Analytical Method Verification**
All procedures were performed as stated in the SOP.

**Sample Dilutions**
Sample was diluted due to matrix interferences. 1545001 (0070698-05).

| Parmname | 1545001 |
|---|---|
| All | 5X |

**Sample Re-extraction/Re-analysis**
Re-extractions or re-analyses were not required in this SDG.

## Miscellaneous Information

**Nonconformance (NCR) Documentation**
A NCR was not required for this SDG.

**Manual Integrations**
Certain standards and QC samples required manual integrations to correctly position the baseline as set in the calibration standard injections. Where manual integrations were performed, copies of all manual integration peak profiles are included in the raw data section of this fraction.

## System Configuration

This analysis was performed on the following instrument configuration:

| Instrument ID | Instrument | System Configuration | Column ID | Column Description |
|---|---|---|---|---|
| HRP763_1 | Waters Autospec Premier high-resolution GC/MS system | Waters Autospec Prem | DB-5MS | 60m x 0.25mm, 0.25um |
| HRP763_2 | Waters Autospec Premier high-resolution GC/MS system | Waters Autospec Prem | DB-225 | 30m x 0.25mm, 0.25um |

# Sample Data Summary

# Cape Fear Analytical, LLC

3306 Kitty Hawk Road Suite 120, Wilmington, NC 28405 - (910) 795-0421 - www.capefearanalytical.com

## Certificate of Analysis Report
## for

AAIS001 Access Analytical, Inc.

Client SDG: 1545 CFA Work Order: 1545

**The Qualifiers in this report are defined as follows:**

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a surrogate compound
- E Organics—Concentration of the target analyte exceeds the instrument calibration range
- J Value is estimated
- K Estimated Maximum Possible Concentration
- U Analyte was analyzed for , but not detected above the specified detection limit.

**Review/Validation**

Cape Fear Analytical requires all analytical data to be verified by a qualified data reviewer.

The following data validator verified the information presented in this case narrative:

**Signature:** Heather Patterson **Name:** **Heather Patterson**

**Date:** **23 AUG 2010** **Title:** **Analyst III**

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 1545 | Client: | AAIS001 | Project: | AAIS00110 |
| Lab Sample ID: | 1545001 | Date Collected: | 07/26/2010 14:00 | Matrix: | SOIL |
| Client Sample: | 8290 Soil | Date Received: | 08/07/2010 09:10 | %Moisture: | 23.9 |
| Client ID: | 0070698-05 | | | Prep Basis: | Dry Weight |
| Batch ID: | 12812 | Method: | SW846 8290A | | |
| Run Date: | 08/15/2010 22:24 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b14aug10a_4-4 | | | Dilution: | 1 |
| Prep Batch: | 12732 | Prep Method: | SW846 3540C | | |
| Prep Date: | 12-AUG-10 | Aliquot: | 13.15 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | U | .13 | | pg/g | 0.130 | 0.999 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | JK | | 0.791 | pg/g | 0.420 | 5.00 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | JK | | 0.438 | pg/g | 0.332 | 5.00 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | J | 0.955 | | pg/g | 0.334 | 5.00 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | J | 0.685 | | pg/g | 0.390 | 5.00 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | | 11.4 | | pg/g | 0.214 | 5.00 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | | 117 | | pg/g | 0.192 | 9.99 |
| 51207-31-9 | 2,3,7,8-TCDF | | 1.84 | | pg/g | 0.360 | 0.999 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | J | 0.871 | | pg/g | 0.813 | 5.00 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | J | 1.90 | | pg/g | 0.777 | 5.00 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | J | 2.70 | | pg/g | 0.276 | 5.00 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | J | 1.03 | | pg/g | 0.252 | 5.00 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | J | 1.94 | | pg/g | 0.276 | 5.00 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | U | .376 | | pg/g | 0.376 | 5.00 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | | 6.47 | | pg/g | 0.129 | 5.00 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | J | 0.462 | | pg/g | 0.178 | 5.00 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | J | 4.34 | | pg/g | 0.117 | 9.99 |
| 41903-57-5 | Total Tetrachlorodibenzo-p-dioxin | | 1.86 | 4.57 | pg/g | 0.130 | 0.999 |
| 36088-22-9 | Total Pentachlorodibenzo-p-dioxin | J | 4.11 | 8.40 | pg/g | 0.420 | 5.00 |
| 34465-46-8 | Total Hexachlorodibenzo-p-dioxin | | 8.78 | 9.22 | pg/g | 0.332 | 5.00 |
| 37871-00-4 | Total Heptachlorodibenzo-p-dioxin | | 23.3 | | pg/g | 0.214 | 5.00 |
| 30402-14-3 | Total Tetrachlorodibenzofuran | | 18.8 | 24.6 | pg/g | 0.360 | 0.999 |
| 30402-15-4 | Total Pentachlorodibenzofuran | | 16.9 | 27.8 | pg/g | 0.777 | 5.00 |
| 55684-94-1 | Total Hexachlorodibenzofuran | | 21.5 | 22.5 | pg/g | 0.252 | 5.00 |
| 38998-75-3 | Total Heptachlorodibenzofuran | | 11.0 | | pg/g | 0.129 | 5.00 |
| | TEQ WHO2005 ND=0 | | 1.73 | 2.57 | pg/g | | |
| | TEQ WHO2005 ND=0.5 | | 2.04 | 2.65 | pg/g | | |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 162 | 200 | pg/g | 81.3 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 127 | 200 | pg/g | 63.3 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 148 | 200 | pg/g | 74.3 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 185 | 200 | pg/g | 92.4 | (40%-135%) |
| 13C-OCDD | | 496 | 400 | pg/g | 124 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 166 | 200 | pg/g | 83.1 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 91.9 | 200 | pg/g | 46.0 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 80.6 | 200 | pg/g | 40.3 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 136 | 200 | pg/g | 68.3 | (40%-135%) |

**Comments:**

**J** Value is estimated

**K** Estimated Maximum Possible Concentration

**U** Analyte was analyzed for , but not detected above the specified detection limit.

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 1545 | Client: | AAIS001 | Project: | AAIS00110 |
| Lab Sample ID: | 1545001 | Date Collected: | 07/26/2010 14:00 | Matrix: | SOIL |
| Client Sample: | 8290 Soil | Date Received: | 08/07/2010 09:10 | %Moisture: | 23.9 |
| Client ID: | 0070698-05 | | | Prep Basis: | Dry Weight |
| Batch ID: | 12812 | Method: | SW846 8290A | | |
| Run Date: | 08/19/2010 05:28 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b18aug10b_2-8 | | | Dilution: | 5 |
| Prep Batch: | 12732 | Prep Method: | SW846 3540C | | |
| Prep Date: | 12-AUG-10 | Aliquot: | 13.15 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | U | .496 | | pg/g | 0.496 | 5.00 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | U | .518 | | pg/g | 0.518 | 25.0 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | U | .504 | | pg/g | 0.504 | 25.0 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | J | 0.877 | | pg/g | 0.506 | 25.0 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | JK | | 0.863 | pg/g | 0.592 | 25.0 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | J | 12.8 | | pg/g | 0.564 | 25.0 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | | 114 | | pg/g | 0.971 | 50.0 |
| 51207-31-9 | 2,3,7,8-TCDF | J | 1.83 | | pg/g | 1.09 | 5.00 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | J | 1.72 | | pg/g | 0.518 | 25.0 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | JK | | 1.63 | pg/g | 0.494 | 25.0 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | J | 1.48 | | pg/g | 0.418 | 25.0 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | J | 1.24 | | pg/g | 0.382 | 25.0 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | J | 1.39 | | pg/g | 0.418 | 25.0 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | U | .572 | | pg/g | 0.572 | 25.0 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | J | 6.75 | | pg/g | 0.364 | 25.0 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | U | .502 | | pg/g | 0.502 | 25.0 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | J | 5.06 | | pg/g | 1.05 | 50.0 |
| 41903-57-5 | Total Tetrachlorodibenzo-p-dioxin | J | 1.38 | | pg/g | 0.496 | 5.00 |
| 36088-22-9 | Total Pentachlorodibenzo-p-dioxin | J | 3.26 | 6.85 | pg/g | 0.518 | 25.0 |
| 34465-46-8 | Total Hexachlorodibenzo-p-dioxin | J | 8.90 | 10.3 | pg/g | 0.504 | 25.0 |
| 37871-00-4 | Total Heptachlorodibenzo-p-dioxin | | 25.2 | | pg/g | 0.564 | 25.0 |
| 30402-14-3 | Total Tetrachlorodibenzofuran | | 8.24 | 19.0 | pg/g | 1.09 | 5.00 |
| 30402-15-4 | Total Pentachlorodibenzofuran | J | 14.1 | 23.6 | pg/g | 0.494 | 25.0 |
| 55684-94-1 | Total Hexachlorodibenzofuran | J | 14.1 | 16.0 | pg/g | 0.382 | 25.0 |
| 38998-75-3 | Total Heptachlorodibenzofuran | J | 10.3 | 10.9 | pg/g | 0.364 | 25.0 |
| | TEQ WHO2005 ND=0 | | 0.964 | 1.54 | pg/g | | |
| | TEQ WHO2005 ND=0.5 | | 1.63 | 2.10 | pg/g | | |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 187 | 200 | pg/g | 93.6 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 200 | 200 | pg/g | 99.9 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 148 | 200 | pg/g | 73.9 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 163 | 200 | pg/g | 81.4 | (40%-135%) |
| 13C-OCDD | | 323 | 400 | pg/g | 80.8 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 188 | 200 | pg/g | 94.1 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 213 | 200 | pg/g | 107 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 137 | 200 | pg/g | 68.8 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 149 | 200 | pg/g | 74.6 | (40%-135%) |

**Comments:**

**J** Value is estimated

**K** Estimated Maximum Possible Concentration

**U** Analyte was analyzed for , but not detected above the specified detection limit.

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 1545 | Client: | AAIS001 | Project: | AAIS00110 |
| Lab Sample ID: | 1545001 | Date Collected: | 07/26/2010 14:00 | Matrix: | SOIL |
| Client Sample: | 8290 Soil | Date Received: | 08/07/2010 09:10 | %Moisture: | 23.9 |
| Client ID: | 0070698-05 | | | Prep Basis: | Dry Weight |
| Batch ID: | 12812 | Method: | SW846 8290A | | |
| Run Date: | 08/17/2010 21:34 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b17aug10c-20 | | | Dilution: | 5 |
| Prep Batch: | 12732 | Prep Method: | SW846 3540C | | |
| Prep Date: | 12-AUG-10 | Aliquot: | 13.15 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 51207-31-9 | 2,3,7,8-TCDF | J | 2.56 | | pg/g | 1.15 | 5.00 |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|

Comments:
J Value is estimated
K Estimated Maximum Possible Concentration
U Analyte was analyzed for , but not detected above the specified detection limit.

# Quality Control Summary

Hi-Res Dioxins/Furans



## Quality Control Summary
## Spike Recovery Report

**SDG Number:** 1545
**Client ID:** LCS for batch 12732
**Lab Sample ID:** 12001608
**Instrument:** HRP763
**Analyst:** MJC

**Sample Type:** Laboratory Control Sample
**Matrix:** SOIL
**Analysis Date:** 08/18/2010 12:33
**Dilution:** 1
**Prep Batch ID:** 12732
**Batch ID:** 12812

| CAS No. | | Parmname | Amount Added pg/g | Spike Conc. pg/g | Recovery % | Acceptance Limits |
|---|---|---|---|---|---|---|
| 1746-01-6 | LCS | 2,3,7,8-TCDD | 20.0 | 22.5 | 112 | 70-130 |
| 40321-76-4 | LCS | 1,2,3,7,8-PeCDD | 100 | 104 | 104 | 70-130 |
| 39227-28-6 | LCS | 1,2,3,4,7,8-HxCDD | 100 | 108 | 108 | 70-130 |
| 57653-85-7 | LCS | 1,2,3,6,7,8-HxCDD | 100 | 108 | 108 | 70-130 |
| 19408-74-3 | LCS | 1,2,3,7,8,9-HxCDD | 100 | 118 | 118 | 70-130 |
| 35822-46-9 | LCS | 1,2,3,4,6,7,8-HpCDD | 100 | 106 | 106 | 70-130 |
| 3268-87-9 | LCS | 1,2,3,4,6,7,8,9-OCDD | 200 | 198 | 98.9 | 70-130 |
| 51207-31-9 | LCS | 2,3,7,8-TCDF | 20.0 | 21.0 | 105 | 70-130 |
| 57117-41-6 | LCS | 1,2,3,7,8-PeCDF | 100 | 105 | 105 | 70-130 |
| 57117-31-4 | LCS | 2,3,4,7,8-PeCDF | 100 | 102 | 102 | 70-130 |
| 70648-26-9 | LCS | 1,2,3,4,7,8-HxCDF | 100 | 116 | 116 | 70-130 |
| 57117-44-9 | LCS | 1,2,3,6,7,8-HxCDF | 100 | 112 | 112 | 70-130 |
| 72918-21-9 | LCS | 1,2,3,7,8,9-HxCDF | 100 | 122 | 122 | 70-130 |
| 60851-34-5 | LCS | 2,3,4,6,7,8-HxCDF | 100 | 113 | 113 | 70-130 |
| 67562-39-4 | LCS | 1,2,3,4,6,7,8-HpCDF | 100 | 108 | 108 | 70-130 |
| 55673-89-7 | LCS | 1,2,3,4,7,8,9-HpCDF | 100 | 109 | 109 | 70-130 |
| 39001-02-0 | LCS | 1,2,3,4,6,7,8,9-OCDF | 200 | 221 | 111 | 70-130 |

Hi-Res Dioxins/Furans

## Quality Control Summary
## Spike Recovery Report

**SDG Number:** 1545
**Client ID:** LCSD for batch 12732
**Lab Sample ID:** 12001609
**Instrument:** HRP763
**Analyst:** MJC

**Sample Type:** Laboratory Control Sample Duplicate
**Matrix:** SOIL
**Analysis Date:** 08/18/2010 13:21
**Dilution:** 1
**Prep Batch ID:** 12732
**Batch ID:** 12812

| CAS No. | | Parmname | Amount Added pg/g | Spike Conc. pg/g | Recovery % | Acceptance Limits | RPD % | Acceptance Limits |
|---|---|---|---|---|---|---|---|---|
| 1746-01-6 | LCSD | 2,3,7,8-TCDD | 20.0 | 22.2 | 111 | 70-130 | 0.993 | 0-20 |
| 40321-76-4 | LCSD | 1,2,3,7,8-PeCDD | 100 | 107 | 107 | 70-130 | 3.11 | 0-20 |
| 39227-28-6 | LCSD | 1,2,3,4,7,8-HxCDD | 100 | 107 | 107 | 70-130 | 0.989 | 0-20 |
| 57653-85-7 | LCSD | 1,2,3,6,7,8-HxCDD | 100 | 110 | 110 | 70-130 | 1.69 | 0-20 |
| 19408-74-3 | LCSD | 1,2,3,7,8,9-HxCDD | 100 | 118 | 118 | 70-130 | 0.359 | 0-20 |
| 35822-46-9 | LCSD | 1,2,3,4,6,7,8-HpCDD | 100 | 105 | 105 | 70-130 | 0.740 | 0-20 |
| 3268-87-9 | LCSD | 1,2,3,4,6,7,8,9-OCDD | 200 | 198 | 98.9 | 70-130 | 0.0516 | 0-20 |
| 51207-31-9 | LCSD | 2,3,7,8-TCDF | 20.0 | 21.3 | 107 | 70-130 | 1.36 | 0-20 |
| 57117-41-6 | LCSD | 1,2,3,7,8-PeCDF | 100 | 108 | 108 | 70-130 | 2.76 | 0-20 |
| 57117-31-4 | LCSD | 2,3,4,7,8-PeCDF | 100 | 102 | 102 | 70-130 | 0.633 | 0-20 |
| 70648-26-9 | LCSD | 1,2,3,4,7,8-HxCDF | 100 | 114 | 114 | 70-130 | 1.49 | 0-20 |
| 57117-44-9 | LCSD | 1,2,3,6,7,8-HxCDF | 100 | 117 | 117 | 70-130 | 3.95 | 0-20 |
| 72918-21-9 | LCSD | 1,2,3,7,8,9-HxCDF | 100 | 124 | 124 | 70-130 | 1.80 | 0-20 |
| 60851-34-5 | LCSD | 2,3,4,6,7,8-HxCDF | 100 | 112 | 112 | 70-130 | 0.080 | 0-20 |
| 67562-39-4 | LCSD | 1,2,3,4,6,7,8-HpCDF | 100 | 111 | 111 | 70-130 | 2.67 | 0-20 |
| 55673-89-7 | LCSD | 1,2,3,4,7,8,9-HpCDF | 100 | 109 | 109 | 70-130 | 0.305 | 0-20 |
| 39001-02-0 | LCSD | 1,2,3,4,6,7,8,9-OCDF | 200 | 223 | 111 | 70-130 | 0.560 | 0-20 |

# Hi-Res Dioxins/Furans
## Surrogate Recovery Report



**SDG Number: 1545**
**Matrix Type: SOLID**

| Sample ID | Client ID | Surrogate | QUAL | Recovery (%) | Acceptance Limits |
|---|---|---|---|---|---|
| 12001608 | LCS for batch 12732 | 13C-2,3,7,8-TCDD | | 86.1 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDD | | 91.3 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDD | | 79.7 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDD | | 78.9 | (40%-135%) |
| | | 13C-OCDD | | 71.3 | (40%-135%) |
| | | 13C-2,3,7,8-TCDF | | 92.2 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDF | | 94.1 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDF | | 76.7 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDF | | 76.2 | (40%-135%) |
| 12001609 | LCSD for batch 12732 | 13C-2,3,7,8-TCDD | | 82.5 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDD | | 85.7 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDD | | 76.3 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDD | | 77.7 | (40%-135%) |
| | | 13C-OCDD | | 68.3 | (40%-135%) |
| | | 13C-2,3,7,8-TCDF | | 88.0 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDF | | 89.0 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDF | | 72.7 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDF | | 74.9 | (40%-135%) |
| 12001605 | MB for batch 12732 | 13C-2,3,7,8-TCDD | | 78.5 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDD | | 82.3 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDD | | 75.2 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDD | | 72.8 | (40%-135%) |
| | | 13C-OCDD | | 58.6 | (40%-135%) |
| | | 13C-2,3,7,8-TCDF | | 85.6 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDF | | 84.6 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDF | | 73.6 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDF | | 71.2 | (40%-135%) |
| 1545001 | 0070698-05 | 13C-2,3,7,8-TCDD | | 93.6 D | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDD | | 99.9 D | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDD | | 73.9 D | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDD | | 81.4 D | (40%-135%) |
| | | 13C-OCDD | | 80.8 D | (40%-135%) |
| | | 13C-2,3,7,8-TCDF | | 94.1 D | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDF | | 107 D | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDF | | 68.8 D | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDF | | 74.6 D | (40%-135%) |

* Recovery outside Acceptance Limits
\# Column to be used to flag recovery values
D Sample Diluted

## Method Blank Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 1545 | Client: | AAIS001 | Matrix: | SOIL |
| Client ID: | MB for batch 12732 | Instrument ID: | HRP763 | Data File: | b18aug10b-4 |
| Lab Sample ID: | 12001605 | Prep Date: | 12-AUG-10 | Analyzed: | 08/18/10 14:09 |
| Column: | | | | | |

This method blank applies to the following samples and quality control samples:

| | Client Sample ID | Lab Sample ID | File ID | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 01 | 0070698-05 | 1545001 | b17aug10c-20 | 08/17/10 | 2134 |
| 02 | LCS for batch 12732 | 12001608 | b18aug10b-2 | 08/18/10 | 1233 |
| 03 | LCSD for batch 12732 | 12001609 | b18aug10b-3 | 08/18/10 | 1321 |
| 04 | 0070698-05 | 1545001 | b18aug10b_2-8 | 08/19/10 | 0528 |

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 1545 | Client: | AAIS001 | Project: | QC |
| Lab Sample ID: | 12001605 | | | Matrix: | SOIL |
| Client Sample: | QC for batch 12732 | | | | |
| Client ID: | MB for batch 12732 | | | Prep Basis: | As Received |
| Batch ID: | 12812 | Method: | SW846 8290A | | |
| Run Date: | 08/18/2010 14:09 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b18aug10b-4 | | | Dilution: | 1 |
| Prep Batch: | 12732 | Prep Method: | SW846 3540C | | |
| Prep Date: | 12-AUG-10 | Aliquot: | 10 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | U | .179 | | pg/g | 0.179 | 1.00 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | J | 0.236 | | pg/g | 0.114 | 5.00 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | JK | | 0.242 | pg/g | 0.185 | 5.00 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | JK | | 0.286 | pg/g | 0.186 | 5.00 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | JK | | 0.408 | pg/g | 0.216 | 5.00 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | J | 0.520 | | pg/g | 0.278 | 5.00 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | J | 2.33 | | pg/g | 0.640 | 10.0 |
| 51207-31-9 | 2,3,7,8-TCDF | JK | | 0.436 | pg/g | 0.149 | 1.00 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | JK | | 0.212 | pg/g | 0.103 | 5.00 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | J | 0.222 | | pg/g | 0.0988 | 5.00 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | JK | | 0.262 | pg/g | 0.139 | 5.00 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | JK | | 0.234 | pg/g | 0.127 | 5.00 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | JK | | 0.278 | pg/g | 0.139 | 5.00 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | J | 0.500 | | pg/g | 0.190 | 5.00 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | JK | | 0.388 | pg/g | 0.129 | 5.00 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | J | 0.352 | | pg/g | 0.177 | 5.00 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | J | 1.18 | | pg/g | 0.474 | 10.0 |
| 41903-57-5 | Total Tetrachlorodibenzo-p-dioxin | U | .179 | | pg/g | 0.179 | 1.00 |
| 36088-22-9 | Total Pentachlorodibenzo-p-dioxin | J | 0.236 | | pg/g | 0.114 | 5.00 |
| 34465-46-8 | Total Hexachlorodibenzo-p-dioxin | U | .185 | 0.936 | pg/g | 0.185 | 5.00 |
| 37871-00-4 | Total Heptachlorodibenzo-p-dioxin | J | 0.520 | | pg/g | 0.278 | 5.00 |
| 30402-14-3 | Total Tetrachlorodibenzofuran | U | .149 | 0.726 | pg/g | 0.149 | 1.00 |
| 30402-15-4 | Total Pentachlorodibenzofuran | J | 0.222 | 0.434 | pg/g | 0.0988 | 5.00 |
| 55684-94-1 | Total Hexachlorodibenzofuran | J | 0.500 | 1.27 | pg/g | 0.127 | 5.00 |
| 38998-75-3 | Total Heptachlorodibenzofuran | J | 0.352 | 0.740 | pg/g | 0.129 | 5.00 |
| | TEQ WHO2005 ND=0 | | 0.362 | 0.587 | pg/g | | |
| | TEQ WHO2005 ND=0.5 | | 0.511 | 0.677 | pg/g | | |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 157 | 200 | pg/g | 78.5 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 165 | 200 | pg/g | 82.3 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 150 | 200 | pg/g | 75.2 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 146 | 200 | pg/g | 72.8 | (40%-135%) |
| 13C-OCDD | | 234 | 400 | pg/g | 58.6 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 171 | 200 | pg/g | 85.6 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 169 | 200 | pg/g | 84.6 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 147 | 200 | pg/g | 73.6 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 142 | 200 | pg/g | 71.2 | (40%-135%) |

**Comments:**

**J** Value is estimated

**K** Estimated Maximum Possible Concentration

**U** Analyte was analyzed for , but not detected above the specified detection limit.

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 1545 | Client: | AAIS001 | Project: | QC |
| Lab Sample ID: | 12001608 | | | Matrix: | SOIL |
| Client Sample: | QC for batch 12732 | | | | |
| Client ID: | LCS for batch 12732 | | | Prep Basis: | As Received |
| Batch ID: | 12812 | Method: | SW846 8290A | | |
| Run Date: | 08/18/2010 12:33 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b18aug10b-2 | | | Dilution: | 1 |
| Prep Batch: | 12732 | Prep Method: | SW846 3540C | | |
| Prep Date: | 12-AUG-10 | Aliquot: | 10 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | | 22.5 | | pg/g | 0.173 | 1.00 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | | 104 | | pg/g | 0.129 | 5.00 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | | 108 | | pg/g | 0.210 | 5.00 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | | 108 | | pg/g | 0.212 | 5.00 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | | 118 | | pg/g | 0.248 | 5.00 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | | 106 | | pg/g | 0.332 | 5.00 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | | 198 | | pg/g | 0.672 | 10.0 |
| 51207-31-9 | 2,3,7,8-TCDF | | 21.0 | | pg/g | 0.144 | 1.00 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | | 105 | | pg/g | 0.184 | 5.00 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | | 102 | | pg/g | 0.176 | 5.00 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | | 116 | | pg/g | 0.386 | 5.00 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | | 112 | | pg/g | 0.354 | 5.00 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | | 122 | | pg/g | 0.528 | 5.00 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | | 113 | | pg/g | 0.388 | 5.00 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | | 108 | | pg/g | 0.218 | 5.00 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | | 109 | | pg/g | 0.300 | 5.00 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | | 221 | | pg/g | 0.594 | 10.0 |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 172 | 200 | pg/g | 86.1 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 183 | 200 | pg/g | 91.3 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 159 | 200 | pg/g | 79.7 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 158 | 200 | pg/g | 78.9 | (40%-135%) |
| 13C-OCDD | | 285 | 400 | pg/g | 71.3 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 184 | 200 | pg/g | 92.2 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 188 | 200 | pg/g | 94.1 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 153 | 200 | pg/g | 76.7 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 152 | 200 | pg/g | 76.2 | (40%-135%) |

Comments:

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 1545 | Client: | AAIS001 | Project: | QC |
| Lab Sample ID: | 12001609 | | | Matrix: | SOIL |
| Client Sample: | QC for batch 12732 | | | | |
| Client ID: | LCSD for batch 12732 | | | Prep Basis: | As Received |
| Batch ID: | 12812 | Method: | SW846 8290A | | |
| Run Date: | 08/18/2010 13:21 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b18aug10b-3 | | | Dilution: | 1 |
| Prep Batch: | 12732 | Prep Method: | SW846 3540C | | |
| Prep Date: | 12-AUG-10 | Aliquot: | 10 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | | 22.2 | | pg/g | 0.158 | 1.00 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | | 107 | | pg/g | 0.160 | 5.00 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | | 107 | | pg/g | 0.236 | 5.00 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | | 110 | | pg/g | 0.238 | 5.00 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | | 118 | | pg/g | 0.278 | 5.00 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | | 105 | | pg/g | 0.348 | 5.00 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | | 198 | | pg/g | 0.550 | 10.0 |
| 51207-31-9 | 2,3,7,8-TCDF | | 21.3 | | pg/g | 0.138 | 1.00 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | | 108 | | pg/g | 0.198 | 5.00 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | | 102. | | pg/g | 0.190 | 5.00 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | | 114 | | pg/g | 0.440 | 5.00 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | | 117 | | pg/g | 0.404 | 5.00 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | | 124 | | pg/g | 0.602 | 5.00 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | | 112 | | pg/g | 0.442 | 5.00 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | | 111 | | pg/g | 0.238 | 5.00 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | | 109 | | pg/g | 0.328 | 5.00 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | | 223 | | pg/g | 0.600 | 10.0 |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 165 | 200 | pg/g | 82.5 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 171 | 200 | pg/g | 85.7 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 153 | 200 | pg/g | 76.3 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 155 | 200 | pg/g | 77.7 | (40%-135%) |
| 13C-OCDD | | 273 | 400 | pg/g | 68.3 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 176 | 200 | pg/g | 88.0 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 178 | 200 | pg/g | 89.0 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 145 | 200 | pg/g | 72.7 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 150 | 200 | pg/g | 74.9 | (40%-135%) |

Comments:

CFA | Cape Fear Analytical LLC
an affiliate of The GEL Group INC

3306 Kitty Hawk Road, Suite 120 Wilmington, NC 28405
P 910.795.0421

www.capefearanalytical.com

August 09, 2010

Angie Overcash
Prism Laboratories
449 Springbrook Road
Charlotte, NC 28224

Re: Lab Subcontract (Dredge)
Work Order: 1507
SDG: 0070698

Dear Ms. Overcash:

Cape Fear Analytical, LLC (CFA) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 29, 2010. This revised data report has been prepared and reviewed in accordance with CFA's standard operating procedures. Refer to the fractional case narrative for revision details.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (910) 795-0421.

Sincerely,

Chris Cornwell
Project Manager

Purchase Order: Internal
Enclosures

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

# CHAIN OF CUSTODY RECORD

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

Project Name: 0070698

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: Prism

Address: _____

Client Company Name: Prism

Report To/Contact Name: A. Overcash

Reporting Address: _____

Phone: _____ Fax (Yes) (No): _____

Email (Yes) (No) Email Address: aovercashe prismlabs.com

EDD Type: PDF ✓ Excel ✓ Other _____

Site Location Name: _____

Site Location Physical Address: _____

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? | | | |
| Received ON WET ICE? Temp ____ | | | |
| PROPER PRESERVATIVES indicated? | | | |
| Received WITHIN HOLDING TIMES? | | | |
| CUSTODY SEALS INTACT? | | | |
| VOLATILES rec'd W/OUT HEADSPACE? | | | |
| PROPER CONTAINERS used? | | | |

**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 | NO. | SIZE | PRESERVATIVES | ANALYSES REQUESTED 8260 | | | | | | REMARKS | PRISM LAB ID NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0070698-01 | 7/26/10 | 1200 | Soil | CG | 1 | 4oz | NONE | ✓ | | | | | | CO-1 (0-0.5) | |
| " -02 | | 1230 | | | | | | ✓ | | | | | | CO-1 (1.5-2.0) | |
| " -03 | | 1300 | | | | | | ✓ | | | | | | CO-2 (0-0.5) | |
| " -04 | | 1330 | | | | | | ✓ | | | | | | CO-2 (1.5-2.0) | |
| " -05 | | 1400 | | | | | | ✓ | | | | | | CO-3 (0-0.5) | |
| " -06 | | 1430 | | | | | | ✓ | | | | | | CO-3 (1.5-2.0) | |

**PRESS DOWN FIRMLY - 3 COPIES**

Sampler's Signature _____ Sampled By (Print Name) _____ Affiliation _____

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

| Relinquished By: (Signature) | Received By: (Signature) | Date | Military/Hours |
|---|---|---|---|
| [signature] | Fedex | 7-28-10 | 17:00 |
| Relinquished By: (Signature) Fedex | Received By: (Signature) [signature] | 7/29/10 | 11:45 |
| Relinquished By: (Signature) | Received For Prism Laboratories By: | Date | |

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.

COC Group No. _____

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

Additional Comments: Wo# 1567 temp = 4.1

**PRISM USE ONLY**

Site Arrival Time: _____

Site Departure Time: _____

Field Tech Fee: _____

Mileage: _____

| NPDES: | 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 |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

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

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

## SAMPLE RECEIPT CHECKLIST

| | |
|---|---|
| Client: Access | Work Order: 1507 |
| Received By: Chris Cornwell | Date Received: 7/29/10 |

| Suspected Hazard Information | Yes | NA | No |
|---|---|---|---|
| Shipped as DOT Hazardous? | | | ✓ |
| Samples identified as Foreign Soil? | | | ✓ |

| | Sample Receipt Criteria | Yes | NA | No | Comments/Qualifiers (required for Non-Conforming Items) |
|---|---|---|---|---|---|
| 1 | Shipping containers received intact and sealed? | ✓ | | | Circle Applicable: seals broken damaged container leaking container other(describe) |
| 2 | Samples requiring cold preservation within 0-6°C? | ✓ | | | Preservation Method: (ice bags) blue ice dry ice none other (describe) 4.1 |
| 3 | Chain of Custody documents included with shipment? | ✓ | | | |
| 4 | Samples requiring chemical preservation at proper pH? | | ✓ | | Sample IDs, containers affected and pH observed: If preservative added, Lot#: |
| 5 | VOA vials free of headspace <6mm bubble? | | ✓ | | Sample IDs, containers affected: |
| 6 | Are Encore containers present? | | ✓ | | (If YES, immediately deliver to volatiles laboratory) |
| 7 | Samples received within holding time? | ✓ | | | Sample IDs, tests affected: |
| 8 | Sample IDs on COC match IDs on containers? | ✓ | | | Sample IDs, containers affected: |
| 9 | Date & time of COC match date & time on containers? | ✓ | | | Sample IDs, containers affected: |
| 10 | Number of containers received match number indicated on COC? | | | ✓ | Sample IDs, containers affected: Missing Sample 5 |
| 11 | COC form is properly signed in relinquished/received sections? | | | | |

Comments:

PM review: Initials: CF Date: 8/5/10

From: Origin ID: USCA (803) 781-4243
Angela Martin
Access Analytical, Inc.
7478 Carlisle Street

IRMO, SC 29063

FedEx Express

Ship Date: 27JUL10
ActWgt: 25.0 LB
CAD: 5688499/INET3060

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (910) 795-0421 BILL RECIPIENT
**Sample Recieving**
**Cape Fear Analytical**
**3306 KITTY HAWK RD STE 120**

**WILMINGTON, NC 28405**

TRK# 0201 7988 8843 0311

WED - 28 JUL AA
STANDARD OVERNIGHT

28405
NC-US
GSO

**NN ILMA**

**After printing this label:**
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

# High Resolution Dioxin and Furan Analysis

# Case Narrative

**HDOX Case Narrative**
**Access Analytical, Inc. (AAIS)**
**SDG 0070698**

## Method/Analysis Information

| | |
|---|---|
| **Product:** | **Dioxins/Furans by SW846 Method 8290A in Solids** |
| Analytical Method: | SW846 8290A |
| Extraction Method: | SW846 3540C |
| Analytical Batch Number: | 12173 |
| Clean Up Batch Number: | 12092 |
| Extraction Batch Number: | 12032 |

## Sample Analysis

The following samples were analyzed using the analytical protocol as established in SW846 8290A:

| Sample ID | Client ID |
|---|---|
| 1507001 | 0070698-01 |
| 1507002 | 0070698-02 |
| 1507003 | 0070698-03 |
| 1507004 | 0070698-04 |
| 1507006 | 0070698-06 |
| 12001555 | Method Blank (MB) |
| 12001556 | Laboratory Control Sample (LCS) |
| 12001557 | Laboratory Control Sample Duplicate (LCSD) |

The samples in this SDG were analyzed on a "dry weight" basis.

## Preparation/Analytical Method Verification

**SOP Reference**

Procedure for preparation, analysis and reporting of analytical data are controlled by Cape Fear Analytical LLC (CFA) as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with CF-OA-E-002 REV# 6.

Raw data reports are processed and reviewed by the analyst using the TargetLynx software package.

## Calibration Information

**Initial Calibration**

All initial calibration requirements have been met for this sample delivery group (SDG).

**Continuing Calibration Verification (CCV) Requirements**
All associated calibration verification standard(s) (ICV or CCV) met the acceptance criteria.

## Quality Control (QC) Information

**Method Blank (MB) Statement**
The MB(s) analyzed with this SDG met the acceptance criteria.

**Certification Statement**
The test results presented in this document are certified to meet all requirements of the 2003 NELAC Standard.

**Surrogate Recoveries**
All surrogate recoveries were within the established acceptance criteria for this SDG.

**Laboratory Control Sample (LCS) Recovery**
The LCS spike recoveries met the acceptance limits.

**Laboratory Control Sample Duplicate (LCSD) Recovery**
The LCSD spike recoveries met the acceptance limits.

**LCS/LCSD Relative Percent Difference (RPD) Statement**
The RPD(s) between the LCS and LCSD met the acceptance limits.

**QC Sample Designation**
A matrix spike and matrix spike duplicate analysis was not required for this SDG.

## Technical Information

**Holding Time Specifications**
CFA assigns holding times based on the associated methodology, which assigns the date and time from sample collection. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

**Preparation/Analytical Method Verification**
All procedures were performed as stated in the SOP.

**Sample Dilutions**
This sample was diluted due to matrix interferences. 1507001 (0070698-01).

| Parmname | 1507001 |
|---|---|
| All | 10X |

**Sample Re-extraction/Re-analysis**
Re-extractions or re-analyses were not required in this SDG.

**Miscellaneous Information**

**Nonconformance (NCR) Documentation**
A NCR was not required for this SDG.

**Manual Integrations**
Certain standards and QC samples required manual integrations to correctly position the baseline as set in the calibration standard injections. Where manual integrations were performed, copies of all manual integration peak profiles are included in the raw data section of this fraction.

**System Configuration**
This analysis was performed on a Waters Autospec Premier High Resolution GC/MS system.

# Sample Data Summary

# Cape Fear Analytical, LLC

3306 Kitty Hawk Road Suite 120, Wilmington, NC 28405 - (910) 795-0421 - www.capefearanalytical.com

## Certificate of Analysis Report
## for

AAIS001 Access Analytical, Inc.

Client SDG: 0070698 CFA Work Order: 1507

**The Qualifiers in this report are defined as follows:**

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a surrogate compound
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- J Value is estimated
- K Estimated Maximum Possible Concentration
- Q Quantitative Interference
- U Analyte was analyzed for , but not detected above the specified detection limit.

**Review/Validation**

Cape Fear Analytical requires all analytical data to be verified by a qualified data reviewer.

The following data validator verified the information presented in this case narrative:

**Signature:** Heather Patterson **Name: Heather Patterson**

**Date: 18 AUG 2010** **Title: Analyst III**

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 0070698 | Client: | AAIS001 | Project: | AAIS00110 |
| Lab Sample ID: | 1507001 | Date Collected: | 07/26/2010 12:00 | Matrix: | Soil |
| Client Sample: | 8290 Soil | Date Received: | 07/29/2010 11:15 | %Moisture: | 12.9 |
| Client ID: | 0070698-01 | | | Prep Basis: | Dry Weight |
| Batch ID: | 12173 | Method: | SW846 8290A | | |
| Run Date: | 08/04/2010 14:52 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b04aug10a-10 | | | Dilution: | 10 |
| Prep Batch: | 12032 | Prep Method: | SW846 3540C | | |
| Prep Date: | 01-AUG-10 | Aliquot: | 12.56 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | U | .417 | | pg/g | 0.417 | 9.15 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | U | .594 | | pg/g | 0.594 | 45.7 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | J | 0.585 | | pg/g | 0.545 | 45.7 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | J | 1.06 | | pg/g | 0.549 | 45.7 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | JK | | 1.00 | pg/g | 0.640 | 45.7 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | J | 11.2 | | pg/g | 0.569 | 45.7 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | | 102 | | pg/g | 0.973 | 91.5 |
| 51207-31-9 | 2,3,7,8-TCDF | JK | | 1.68 | pg/g | 1.16 | 9.15 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | J | 1.39 | | pg/g | 0.562 | 45.7 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | JK | | 2.07 | pg/g | 0.536 | 45.7 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | JK | | 1.43 | pg/g | 0.444 | 45.7 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | J | 1.22 | | pg/g | 0.406 | 45.7 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | JK | | 1.45 | pg/g | 0.444 | 45.7 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | U | .607 | | pg/g | 0.607 | 45.7 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | J | 5.99 | | pg/g | 0.432 | 45.7 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | U | .594 | | pg/g | 0.594 | 45.7 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | J | 4.94 | | pg/g | 0.702 | 91.5 |
| 41903-57-5 | Total Tetrachlorodibenzo-p-dioxin | U | .417 | | pg/g | 0.417 | 9.15 |
| 36088-22-9 | Total Pentachlorodibenzo-p-dioxin | U | .594 | | pg/g | 0.594 | 45.7 |
| 34465-46-8 | Total Hexachlorodibenzo-p-dioxin | J | 7.55 | 10.4 | pg/g | 0.545 | 45.7 |
| 37871-00-4 | Total Heptachlorodibenzo-p-dioxin | J | 23.3 | | pg/g | 0.569 | 45.7 |
| 30402-14-3 | Total Tetrachlorodibenzofuran | | 18.0 | 24.4 | pg/g | 1.16 | 9.15 |
| 30402-15-4 | Total Pentachlorodibenzofuran | J | 23.8 | 26.6 | pg/g | 0.536 | 45.7 |
| 55684-94-1 | Total Hexachlorodibenzofuran | J | 10.8 | 15.7 | pg/g | 0.406 | 45.7 |
| 38998-75-3 | Total Heptachlorodibenzofuran | J | 9.02 | | pg/g | 0.432 | 45.7 |
| | TEQ WHO2005 ND=0 | | 0.532 | 1.71 | pg/g | | |
| | TEQ WHO2005 ND=0.5 | | 1.29 | 2.25 | pg/g | | |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 175 | 183 | pg/g | 95.7 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 156 | 183 | pg/g | 85.4 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 137 | 183 | pg/g | 74.9 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 154 | 183 | pg/g | 84.4 | (40%-135%) |
| 13C-OCDD | | 328 | 366 | pg/g | 89.7 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 152 | 183 | pg/g | 83.2 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 139 | 183 | pg/g | 76.2 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 114 | 183 | pg/g | 62.3 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 123 | 183 | pg/g | 67.2 | (40%-135%) |

**Comments:**

**J** Value is estimated

**K** Estimated Maximum Possible Concentration

**U** Analyte was analyzed for , but not detected above the specified detection limit.

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 0070698 | Client: | AAIS001 | Project: | AAIS00110 |
| Lab Sample ID: | 1507001 | Date Collected: | 07/26/2010 12:00 | Matrix: | Soil |
| Client Sample: | 8290 Soil | Date Received: | 07/29/2010 11:15 | %Moisture: | 12.9 |
| Client ID: | 0070698-01 | | | Prep Basis: | Dry Weight |
| Batch ID: | 12173 | Method: | SW846 8290A | | |
| Run Date: | 08/17/2010 18:20 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b17aug10c-11 | | | Dilution: | 10 |
| Prep Batch: | 12032 | Prep Method: | SW846 3540C | | |
| Prep Date: | 01-AUG-10 | Aliquot: | 12.56 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 51207-31-9 | 2,3,7,8-TCDF | J | 3.11 | | pg/g | 1.22 | 9.15 |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|

Comments:
J Value is estimated
K Estimated Maximum Possible Concentration
U Analyte was analyzed for , but not detected above the specified detection limit.

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 0070698 | Client: | AAIS001 | Project: | AAIS00110 |
| Lab Sample ID: | 1507002 | Date Collected: | 07/26/2010 12:30 | Matrix: | Soil |
| Client Sample: | 8290 Soil | Date Received: | 07/29/2010 11:15 | %Moisture: | 17 |
| Client ID: | 0070698-02 | | | Prep Basis: | Dry Weight |
| Batch ID: | 12173 | Method: | SW846 8290A | | |
| Run Date: | 08/03/2010 04:28 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b02aug10a-14 | | | Dilution: | 1 |
| Prep Batch: | 12032 | Prep Method: | SW846 3540C | | |
| Prep Date: | 01-AUG-10 | Aliquot: | 12.94 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | U | .131 | | pg/g | 0.131 | 0.932 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | JK | | 0.309 | pg/g | 0.130 | 4.66 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | JK | | 0.244 | pg/g | 0.0801 | 4.66 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | J | 0.559 | | pg/g | 0.0807 | 4.66 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | JK | | 0.471 | pg/g | 0.0941 | 4.66 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | | 16.1 | | pg/g | 0.207 | 4.66 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | | 1570 | | pg/g | 0.464 | 9.32 |
| 51207-31-9 | 2,3,7,8-TCDF | | 0.954 | | pg/g | 0.246 | 0.932 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | J | 0.745 | | pg/g | 0.129 | 4.66 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | J | 0.509 | | pg/g | 0.124 | 4.66 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | J | 0.652 | | pg/g | 0.0969 | 4.66 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | J | 0.397 | | pg/g | 0.0887 | 4.66 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | J | 0.598 | | pg/g | 0.0971 | 4.66 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | J | 0.166 | | pg/g | 0.132 | 4.66 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | J | 2.56 | | pg/g | 0.0797 | 4.66 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | J | 0.192 | | pg/g | 0.110 | 4.66 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | J | 3.05 | | pg/g | 0.152 | 9.32 |
| 41903-57-5 | Total Tetrachlorodibenzo-p-dioxin | U | .131 | 1.18 | pg/g | 0.131 | 0.932 |
| 36088-22-9 | Total Pentachlorodibenzo-p-dioxin | J | 1.51 | 3.10 | pg/g | 0.130 | 4.66 |
| 34465-46-8 | Total Hexachlorodibenzo-p-dioxin | | 5.04 | 5.93 | pg/g | 0.0801 | 4.66 |
| 37871-00-4 | Total Heptachlorodibenzo-p-dioxin | | 31.6 | | pg/g | 0.207 | 4.66 |
| 30402-14-3 | Total Tetrachlorodibenzofuran | | 4.28 | 7.22 | pg/g | 0.246 | 0.932 |
| 30402-15-4 | Total Pentachlorodibenzofuran | | 8.36 | 8.61 | pg/g | 0.124 | 4.66 |
| 55684-94-1 | Total Hexachlorodibenzofuran | | 6.16 | | pg/g | 0.0887 | 4.66 |
| 38998-75-3 | Total Heptachlorodibenzofuran | | 5.38 | | pg/g | 0.0797 | 4.66 |
| | TEQ WHO2005 ND=0 | | 1.17 | 1.55 | pg/g | | |
| | TEQ WHO2005 ND=0.5 | | 1.31 | 1.61 | pg/g | | |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 167 | 186 | pg/g | 89.7 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 144 | 186 | pg/g | 77.3 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 149 | 186 | pg/g | 80.0 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 162 | 186 | pg/g | 86.9 | (40%-135%) |
| 13C-OCDD | | 331 | 373 | pg/g | 88.9 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 154 | 186 | pg/g | 82.6 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 120 | 186 | pg/g | 64.5 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 116 | 186 | pg/g | 62.4 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 131 | 186 | pg/g | 70.1 | (40%-135%) |

**Comments:**

**J** Value is estimated

**K** Estimated Maximum Possible Concentration

**U** Analyte was analyzed for , but not detected above the specified detection limit.

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 0070698 | Client: | AAIS001 | Project: | AAIS00110 |
| Lab Sample ID: | 1507002 | Date Collected: | 07/26/2010 12:30 | Matrix: | Soil |
| Client Sample: | 8290 Soil | Date Received: | 07/29/2010 11:15 | %Moisture: | 17 |
| Client ID: | 0070698-02 | | | Prep Basis: | Dry Weight |
| Batch ID: | 12173 | Method: | SW846 8290A | | |
| Run Date: | 08/03/2010 19:45 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b03aug10a-22 | | | Dilution: | 1 |
| Prep Batch: | 12032 | Prep Method: | SW846 3540C | | |
| Prep Date: | 01-AUG-10 | Aliquot: | 12.94 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 51207-31-9 | 2,3,7,8-TCDF | | 0.961 | | pg/g | 0.122 | 0.932 |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|

Comments:
J Value is estimated
K Estimated Maximum Possible Concentration
U Analyte was analyzed for , but not detected above the specified detection limit.

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 0070698 | Client: | AAIS001 | Project: | AAIS00110 |
| Lab Sample ID: | 1507003 | Date Collected: | 07/26/2010 13:00 | Matrix: | Soil |
| Client Sample: | 8290 Soil | Date Received: | 07/29/2010 11:15 | %Moisture: | 18.5 |
| Client ID: | 0070698-03 | | | Prep Basis: | Dry Weight |
| Batch ID: | 12173 | Method: | SW846 8290A | | |
| Run Date: | 08/03/2010 07:00 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b02aug10a_2-2 | | | Dilution: | 1 |
| Prep Batch: | 12032 | Prep Method: | SW846 3540C | | |
| Prep Date: | 01-AUG-10 | Aliquot: | 12.63 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | J | 0.270 | | pg/g | 0.0678 | 0.972 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | J | 3.19 | | pg/g | 0.0764 | 4.86 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | | 5.54 | | pg/g | 0.0878 | 4.86 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | | 5.49 | | pg/g | 0.0884 | 4.86 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | J | 3.79 | | pg/g | 0.103 | 4.86 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | | 46.5 | | pg/g | 0.189 | 4.86 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | | 757 | | pg/g | 0.330 | 9.72 |
| 51207-31-9 | 2,3,7,8-TCDF | K | | 1.82 | pg/g | 0.194 | 0.972 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | J | 2.32 | | pg/g | 0.103 | 4.86 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | J | 3.20 | | pg/g | 0.0983 | 4.86 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | J | 4.79 | | pg/g | 0.0764 | 4.86 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | J | 3.40 | | pg/g | 0.070 | 4.86 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | J | 3.23 | | pg/g | 0.0766 | 4.86 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | J | 0.840 | | pg/g | 0.105 | 4.86 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | | 35.6 | | pg/g | 0.0618 | 4.86 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | J | 0.974 | | pg/g | 0.0849 | 4.86 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | | 10.9 | | pg/g | 0.123 | 9.72 |
| 41903-57-5 | Total Tetrachlorodibenzo-p-dioxin | | 18.5 | 18.9 | pg/g | 0.0678 | 0.972 |
| 36088-22-9 | Total Pentachlorodibenzo-p-dioxin | Q | 46.1 | 49.2 | pg/g | 0.0764 | 4.86 |
| 34465-46-8 | Total Hexachlorodibenzo-p-dioxin | | 84.9 | | pg/g | 0.0878 | 4.86 |
| 37871-00-4 | Total Heptachlorodibenzo-p-dioxin | | 109 | | pg/g | 0.189 | 4.86 |
| 30402-14-3 | Total Tetrachlorodibenzofuran | | 28.2 | 31.6 | pg/g | 0.194 | 0.972 |
| 30402-15-4 | Total Pentachlorodibenzofuran | Q | 43.5 | 43.8 | pg/g | 0.0983 | 4.86 |
| 55684-94-1 | Total Hexachlorodibenzofuran | | 46.6 | | pg/g | 0.070 | 4.86 |
| 38998-75-3 | Total Heptachlorodibenzofuran | | 42.8 | | pg/g | 0.0618 | 4.86 |
| | TEQ WHO2005 ND=0 | | 8.26 | 8.44 | pg/g | | |
| | TEQ WHO2005 ND=0.5 | | 8.27 | 8.44 | pg/g | | |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 184 | 194 | pg/g | 94.7 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 169 | 194 | pg/g | 86.8 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 153 | 194 | pg/g | 78.6 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 170 | 194 | pg/g | 87.5 | (40%-135%) |
| 13C-OCDD | | 362 | 389 | pg/g | 93.1 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 166 | 194 | pg/g | 85.6 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 151 | 194 | pg/g | 77.7 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 124 | 194 | pg/g | 63.8 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 140 | 194 | pg/g | 72.1 | (40%-135%) |

Comments:
J Value is estimated
K Estimated Maximum Possible Concentration
Q Quantitative Interference

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 0070698 | Client: | AAIS001 | Project: | AAIS00110 |
| Lab Sample ID: | 1507003 | Date Collected: | 07/26/2010 13:00 | Matrix: | Soil |
| Client Sample: | 8290 Soil | Date Received: | 07/29/2010 11:15 | %Moisture: | 18.5 |
| Client ID: | 0070698-03 | | | Prep Basis: | Dry Weight |
| Batch ID: | 12173 | Method: | SW846 8290A | | |
| Run Date: | 08/03/2010 20:06 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b03aug10a-23 | | | Dilution: | 1 |
| Prep Batch: | 12032 | Prep Method: | SW846 3540C | | |
| Prep Date: | 01-AUG-10 | Aliquot: | 12.63 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 51207-31-9 | 2,3,7,8-TCDF | | 2.11 | | pg/g | 0.111 | 0.972 |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|

Comments:
J Value is estimated
K Estimated Maximum Possible Concentration
Q Quantitative Interference

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 0070698 | Client: | AAIS001 | Project: | AAIS00110 |
| Lab Sample ID: | 1507004 | Date Collected: | 07/26/2010 13:30 | Matrix: | Soil |
| Client Sample: | 8290 Soil | Date Received: | 07/29/2010 11:15 | %Moisture: | 37 |
| Client ID: | 0070698-04 | | | Prep Basis: | Dry Weight |
| Batch ID: | 12173 | Method: | SW846 8290A | | |
| Run Date: | 08/03/2010 07:48 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b02aug10a_2-3 | | | Dilution: | 1 |
| Prep Batch: | 12032 | Prep Method: | SW846 3540C | | |
| Prep Date: | 01-AUG-10 | Aliquot: | 16.03 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | U | .0812 | | pg/g | 0.0812 | 0.991 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | JK | | 0.153 | pg/g | 0.0834 | 4.95 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | JK | | 0.176 | pg/g | 0.0842 | 4.95 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | J | 0.258 | | pg/g | 0.0848 | 4.95 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | J | 0.244 | | pg/g | 0.0991 | 4.95 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | | 5.42 | | pg/g | 0.173 | 4.95 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | | 418 | | pg/g | 0.442 | 9.91 |
| 51207-31-9 | 2,3,7,8-TCDF | J | 0.525 | | pg/g | 0.150 | 0.991 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | J | 0.202 | | pg/g | 0.109 | 4.95 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | J | 0.182 | | pg/g | 0.104 | 4.95 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | JK | | 0.190 | pg/g | 0.0923 | 4.95 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | J | 0.121 | | pg/g | 0.0846 | 4.95 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | JK | | 0.127 | pg/g | 0.0925 | 4.95 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | U | .126 | | pg/g | 0.126 | 4.95 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | J | 1.15 | | pg/g | 0.0826 | 4.95 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | U | .114 | | pg/g | 0.114 | 4.95 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | J | 1.39 | | pg/g | 0.153 | 9.91 |
| 41903-57-5 | Total Tetrachlorodibenzo-p-dioxin | U | .0812 | 0.450 | pg/g | 0.0812 | 0.991 |
| 36088-22-9 | Total Pentachlorodibenzo-p-dioxin | J | 0.555 | 1.18 | pg/g | 0.0834 | 4.95 |
| 34465-46-8 | Total Hexachlorodibenzo-p-dioxin | J | 2.76 | 2.94 | pg/g | 0.0842 | 4.95 |
| 37871-00-4 | Total Heptachlorodibenzo-p-dioxin | | 11.5 | | pg/g | 0.173 | 4.95 |
| 30402-14-3 | Total Tetrachlorodibenzofuran | J | 0.987 | 1.59 | pg/g | 0.150 | 0.991 |
| 30402-15-4 | Total Pentachlorodibenzofuran | J | 1.32 | 1.73 | pg/g | 0.104 | 4.95 |
| 55684-94-1 | Total Hexachlorodibenzofuran | J | 1.28 | 1.60 | pg/g | 0.0846 | 4.95 |
| 38998-75-3 | Total Heptachlorodibenzofuran | J | 1.90 | | pg/g | 0.0826 | 4.95 |
| | TEQ WHO2005 ND=0 | | 0.367 | 0.569 | pg/g | | |
| | TEQ WHO2005 ND=0.5 | | 0.470 | 0.616 | pg/g | | |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 161 | 198 | pg/g | 81.4 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 162 | 198 | pg/g | 81.8 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 147 | 198 | pg/g | 74.0 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 147 | 198 | pg/g | 74.1 | (40%-135%) |
| 13C-OCDD | | 272 | 396 | pg/g | 68.7 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 152 | 198 | pg/g | 76.6 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 143 | 198 | pg/g | 72.2 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 123 | 198 | pg/g | 62.1 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 126 | 198 | pg/g | 63.7 | (40%-135%) |

**Comments:**

J Value is estimated

K Estimated Maximum Possible Concentration

U Analyte was analyzed for , but not detected above the specified detection limit.

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 0070698 | Client: | AAIS001 | Project: | AAIS00110 |
| Lab Sample ID: | 1507006 | Date Collected: | 07/26/2010 14:30 | Matrix: | Soil |
| Client Sample: | 8290 Soil | Date Received: | 07/29/2010 11:15 | %Moisture: | 17.4 |
| Client ID: | 0070698-06 | | | Prep Basis: | Dry Weight |
| Batch ID: | 12173 | Method: | SW846 8290A | | |
| Run Date: | 08/03/2010 08:35 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b02aug10a_2-4 | | | Dilution: | 1 |
| Prep Batch: | 12032 | Prep Method: | SW846 3540C | | |
| Prep Date: | 01-AUG-10 | Aliquot: | 12.56 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | U | .0713 | | pg/g | 0.0713 | 0.964 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | J | 0.174 | | pg/g | 0.0659 | 4.82 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | J | 0.202 | | pg/g | 0.0727 | 4.82 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | J | 0.337 | | pg/g | 0.0731 | 4.82 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | J | 0.330 | | pg/g | 0.0852 | 4.82 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | | 32.9 | | pg/g | 0.519 | 4.82 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | E | 7050 | | pg/g | 0.987 | 9.64 |
| 51207-31-9 | 2,3,7,8-TCDF | J | 0.451 | | pg/g | 0.112 | 0.964 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | JK | | 0.201 | pg/g | 0.0762 | 4.82 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | J | 0.193 | | pg/g | 0.0729 | 4.82 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | J | 0.216 | | pg/g | 0.0544 | 4.82 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | JK | | 0.168 | pg/g | 0.0497 | 4.82 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | J | 0.233 | | pg/g | 0.0544 | 4.82 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | U | .0742 | | pg/g | 0.0742 | 4.82 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | J | 1.09 | | pg/g | 0.0542 | 4.82 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | U | .0744 | | pg/g | 0.0744 | 4.82 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | J | 1.11 | | pg/g | 0.112 | 9.64 |
| 41903-57-5 | Total Tetrachlorodibenzo-p-dioxin | J | 0.141 | 0.652 | pg/g | 0.0713 | 0.964 |
| 36088-22-9 | Total Pentachlorodibenzo-p-dioxin | J | 0.885 | 1.53 | pg/g | 0.0659 | 4.82 |
| 34465-46-8 | Total Hexachlorodibenzo-p-dioxin | J | 3.76 | | pg/g | 0.0727 | 4.82 |
| 37871-00-4 | Total Heptachlorodibenzo-p-dioxin | | 60.1 | | pg/g | 0.519 | 4.82 |
| 30402-14-3 | Total Tetrachlorodibenzofuran | | 2.42 | 3.07 | pg/g | 0.112 | 0.964 |
| 30402-15-4 | Total Pentachlorodibenzofuran | J | 2.01 | 2.99 | pg/g | 0.0729 | 4.82 |
| 55684-94-1 | Total Hexachlorodibenzofuran | J | 2.16 | 2.33 | pg/g | 0.0497 | 4.82 |
| 38998-75-3 | Total Heptachlorodibenzofuran | J | 1.98 | 2.05 | pg/g | 0.0542 | 4.82 |
| | TEQ WHO2005 ND=0 | | 2.86 | 2.89 | pg/g | | |
| | TEQ WHO2005 ND=0.5 | | 2.91 | 2.93 | pg/g | | |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 173 | 193 | pg/g | 89.9 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 163 | 193 | pg/g | 84.8 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 153 | 193 | pg/g | 79.2 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 159 | 193 | pg/g | 82.7 | (40%-135%) |
| 13C-OCDD | | 348 | 386 | pg/g | 90.3 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 162 | 193 | pg/g | 84.2 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 149 | 193 | pg/g | 77.1 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 130 | 193 | pg/g | 67.5 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 138 | 193 | pg/g | 71.3 | (40%-135%) |

**Comments:**

E Organics—Concentration of the target analyte exceeds the instrument calibration range
J Value is estimated
K Estimated Maximum Possible Concentration
U Analyte was analyzed for , but not detected above the specified detection limit.

# Quality Control Summary

# Hi-Res Dioxins/Furans
## Quality Control Summary
## Spike Recovery Report

**SDG Number:** 0070698
**Client ID:** LCS for batch 12032
**Lab Sample ID:** 12001556
**Instrument:** HRP763
**Analyst:** MJC

**Sample Type:** Laboratory Control Sample
**Matrix:** SOIL
**Analysis Date:** 08/02/2010 18:53
**Dilution:** 1
**Prep Batch ID:** 12032
**Batch ID:** 12173

| CAS No. | | Parmname | Amount Added pg/g | Spike Conc. pg/g | Recovery % | Acceptance Limits |
|---|---|---|---|---|---|---|
| 1746-01-6 | LCS | 2,3,7,8-TCDD | 20.0 | 21.4 | 107 | 70-130 |
| 40321-76-4 | LCS | 1,2,3,7,8-PeCDD | 100 | 103 | 103 | 70-130 |
| 39227-28-6 | LCS | 1,2,3,4,7,8-HxCDD | 100 | 106 | 106 | 70-130 |
| 57653-85-7 | LCS | 1,2,3,6,7,8-HxCDD | 100 | 107 | 107 | 70-130 |
| 19408-74-3 | LCS | 1,2,3,7,8,9-HxCDD | 100 | 118 | 118 | 70-130 |
| 35822-46-9 | LCS | 1,2,3,4,6,7,8-HpCDD | 100 | 104 | 104 | 70-130 |
| 3268-87-9 | LCS | 1,2,3,4,6,7,8,9-OCDD | 200 | 194 | 97 | 70-130 |
| 51207-31-9 | LCS | 2,3,7,8-TCDF | 20.0 | 19.9 | 99.6 | 70-130 |
| 57117-41-6 | LCS | 1,2,3,7,8-PeCDF | 100 | 101 | 101 | 70-130 |
| 57117-31-4 | LCS | 2,3,4,7,8-PeCDF | 100 | 95.3 | 95.3 | 70-130 |
| 70648-26-9 | LCS | 1,2,3,4,7,8-HxCDF | 100 | 115 | 115 | 70-130 |
| 57117-44-9 | LCS | 1,2,3,6,7,8-HxCDF | 100 | 113 | 113 | 70-130 |
| 72918-21-9 | LCS | 1,2,3,7,8,9-HxCDF | 100 | 124 | 124 | 70-130 |
| 60851-34-5 | LCS | 2,3,4,6,7,8-HxCDF | 100 | 111 | 111 | 70-130 |
| 67562-39-4 | LCS | 1,2,3,4,6,7,8-HpCDF | 100 | 104 | 104 | 70-130 |
| 55673-89-7 | LCS | 1,2,3,4,7,8,9-HpCDF | 100 | 102 | 102 | 70-130 |
| 39001-02-0 | LCS | 1,2,3,4,6,7,8,9-OCDF | 200 | 201 | 100 | 70-130 |

Hi-Res Dioxins/Furans



## Quality Control Summary
## Spike Recovery Report

**SDG Number:** 0070698
**Client ID:** LCSD for batch 12032
**Lab Sample ID:** 12001557
**Instrument:** HRP763
**Analyst:** MJC

**Sample Type:** Laboratory Control Sample Duplicate
**Matrix:** SOIL
**Analysis Date:** 08/02/2010 19:41
**Dilution:** 1
**Prep Batch ID:** 12032
**Batch ID:** 12173

| CAS No. | | Parmname | Amount Added pg/g | Spike Conc. pg/g | Recovery % | Acceptance Limits | RPD % | Acceptance Limits |
|---|---|---|---|---|---|---|---|---|
| 1746-01-6 | LCSD | 2,3,7,8-TCDD | 20.0 | 20.9 | 104 | 70-130 | 2.39 | 0-20 |
| 40321-76-4 | LCSD | 1,2,3,7,8-PeCDD | 100 | 101 | 101 | 70-130 | 2.00 | 0-20 |
| 39227-28-6 | LCSD | 1,2,3,4,7,8-HxCDD | 100 | 101 | 101 | 70-130 | 5.02 | 0-20 |
| 57653-85-7 | LCSD | 1,2,3,6,7,8-HxCDD | 100 | 102 | 102 | 70-130 | 4.86 | 0-20 |
| 19408-74-3 | LCSD | 1,2,3,7,8,9-HxCDD | 100 | 105 | 105 | 70-130 | 11.5 | 0-20 |
| 35822-46-9 | LCSD | 1,2,3,4,6,7,8-HpCDD | 100 | 101 | 101 | 70-130 | 3.42 | 0-20 |
| 3268-87-9 | LCSD | 1,2,3,4,6,7,8,9-OCDD | 200 | 190 | 95.2 | 70-130 | 1.86 | 0-20 |
| 51207-31-9 | LCSD | 2,3,7,8-TCDF | 20.0 | 19.1 | 95.7 | 70-130 | 3.99 | 0-20 |
| 57117-41-6 | LCSD | 1,2,3,7,8-PeCDF | 100 | 100 | 100 | 70-130 | 1.26 | 0-20 |
| 57117-31-4 | LCSD | 2,3,4,7,8-PeCDF | 100 | 94.1 | 94.1 | 70-130 | 1.24 | 0-20 |
| 70648-26-9 | LCSD | 1,2,3,4,7,8-HxCDF | 100 | 111 | 111 | 70-130 | 3.70 | 0-20 |
| 57117-44-9 | LCSD | 1,2,3,6,7,8-HxCDF | 100 | 111 | 111 | 70-130 | 1.88 | 0-20 |
| 72918-21-9 | LCSD | 1,2,3,7,8,9-HxCDF | 100 | 111 | 111 | 70-130 | 11.3 | 0-20 |
| 60851-34-5 | LCSD | 2,3,4,6,7,8-HxCDF | 100 | 104 | 104 | 70-130 | 7.08 | 0-20 |
| 67562-39-4 | LCSD | 1,2,3,4,6,7,8-HpCDF | 100 | 102 | 102 | 70-130 | 2.06 | 0-20 |
| 55673-89-7 | LCSD | 1,2,3,4,7,8,9-HpCDF | 100 | 103 | 103 | 70-130 | 0.401 | 0-20 |
| 39001-02-0 | LCSD | 1,2,3,4,6,7,8,9-OCDF | 200 | 200 | 99.8 | 70-130 | 0.596 | 0-20 |

## Hi-Res Dioxins/Furans
## Surrogate Recovery Report



**SDG Number: 0070698**

**Matrix Type: SOLID**

| Sample ID | Client ID | Surrogate | QUAL | Recovery (%) | Acceptance Limits |
|---|---|---|---|---|---|
| 12001556 | LCS for batch 12032 | 13C-2,3,7,8-TCDD | | 82.8 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDD | | 74.5 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDD | | 77.9 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDD | | 76.0 | (40%-135%) |
| | | 13C-OCDD | | 67.3 | (40%-135%) |
| | | 13C-2,3,7,8-TCDF | | 81.5 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDF | | 73.2 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDF | | 68.0 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDF | | 71.0 | (40%-135%) |
| 12001557 | LCSD for batch 12032 | 13C-2,3,7,8-TCDD | | 82.5 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDD | | 74.8 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDD | | 82.1 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDD | | 78.2 | (40%-135%) |
| | | 13C-OCDD | | 64.5 | (40%-135%) |
| | | 13C-2,3,7,8-TCDF | | 81.7 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDF | | 72.9 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDF | | 74.1 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDF | | 70.7 | (40%-135%) |
| 12001555 | MB for batch 12032 | 13C-2,3,7,8-TCDD | | 80.8 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDD | | 71.7 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDD | | 77.7 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDD | | 75.9 | (40%-135%) |
| | | 13C-OCDD | | 65.0 | (40%-135%) |
| | | 13C-2,3,7,8-TCDF | | 79.5 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDF | | 69.0 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDF | | 69.4 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDF | | 69.3 | (40%-135%) |
| 1507002 | 0070698-02 | 13C-2,3,7,8-TCDD | | 89.7 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDD | | 77.3 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDD | | 80.0 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDD | | 86.9 | (40%-135%) |
| | | 13C-OCDD | | 88.9 | (40%-135%) |
| | | 13C-2,3,7,8-TCDF | | 82.6 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDF | | 64.5 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDF | | 62.4 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDF | | 70.1 | (40%-135%) |
| 1507003 | 0070698-03 | 13C-2,3,7,8-TCDD | | 94.7 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDD | | 86.8 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDD | | 78.6 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDD | | 87.5 | (40%-135%) |
| | | 13C-OCDD | | 93.1 | (40%-135%) |
| | | 13C-2,3,7,8-TCDF | | 85.6 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDF | | 77.7 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDF | | 63.8 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDF | | 72.1 | (40%-135%) |
| 1507004 | 0070698-04 | 13C-2,3,7,8-TCDD | | 81.4 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDD | | 81.8 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDD | | 74.0 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDD | | 74.1 | (40%-135%) |
| | | 13C-OCDD | | 68.7 | (40%-135%) |
| | | 13C-2,3,7,8-TCDF | | 76.6 | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDF | | 72.2 | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDF | | 62.1 | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDF | | 63.7 | (40%-135%) |

## Hi-Res Dioxins/Furans
## Surrogate Recovery Report



**SDG Number: 0070698**

**Matrix Type: SOLID**

| Sample ID | Client ID | Surrogate | Recovery (%) | | Acceptance Limits |
|---|---|---|---|---|---|
| 1507006 | 0070698-06 | 13C-2,3,7,8-TCDD | 89.9 | | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDD | 84.8 | | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDD | 79.2 | | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDD | 82.7 | | (40%-135%) |
| | | 13C-OCDD | 90.3 | | (40%-135%) |
| | | 13C-2,3,7,8-TCDF | 84.2 | | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDF | 77.1 | | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDF | 67.5 | | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDF | 71.3 | | (40%-135%) |
| 1507001 | 0070698-01 | 13C-2,3,7,8-TCDD | 95.7 | D | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDD | 85.4 | D | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDD | 74.9 | D | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDD | 84.4 | D | (40%-135%) |
| | | 13C-OCDD | 89.7 | D | (40%-135%) |
| | | 13C-2,3,7,8-TCDF | 83.2 | D | (40%-135%) |
| | | 13C-1,2,3,7,8-PeCDF | 76.2 | D | (40%-135%) |
| | | 13C-1,2,3,6,7,8-HxCDF | 62.3 | D | (40%-135%) |
| | | 13C-1,2,3,4,6,7,8-HpCDF | 67.2 | D | (40%-135%) |

* Recovery outside Acceptance Limits
# Column to be used to flag recovery values
D Sample Diluted

## Method Blank Summary



| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 0070698 | **Client:** | AAIS001 | **Matrix:** | SOIL |
| **Client ID:** | MB for batch 12032 | **Instrument ID:** | HRP763 | **Data File:** | b02aug10a-4 |
| **Lab Sample ID:** | 12001555 | **Prep Date:** | 01-AUG-10 | **Analyzed:** | 08/02/10 20:29 |
| **Column:** | | | | | |

**This method blank applies to the following samples and quality control samples:**

| | Client Sample ID | Lab Sample ID | File ID | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 01 | LCS for batch 12032 | 12001556 | b02aug10a-2 | 08/02/10 | 1853 |
| 02 | LCSD for batch 12032 | 12001557 | b02aug10a-3 | 08/02/10 | 1941 |
| 03 | 0070698-02 | 1507002 | b02aug10a-14 | 08/03/10 | 0428 |
| 04 | 0070698-03 | 1507003 | b02aug10a_2-2 | 08/03/10 | 0700 |
| 05 | 0070698-04 | 1507004 | b02aug10a_2-3 | 08/03/10 | 0748 |
| 06 | 0070698-06 | 1507006 | b02aug10a_2-4 | 08/03/10 | 0835 |
| 07 | 0070698-02 | 1507002 | b03aug10a-22 | 08/03/10 | 1945 |
| 08 | 0070698-03 | 1507003 | b03aug10a-23 | 08/03/10 | 2006 |
| 09 | 0070698-01 | 1507001 | b04aug10a-10 | 08/04/10 | 1452 |
| 10 | 0070698-01 | 1507001 | b17aug10c-11 | 08/17/10 | 1820 |

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 0070698 | Client: | AAIS001 | Project: | QC |
| Lab Sample ID: | 12001555 | | | Matrix: | SOIL |
| Client Sample: | QC for batch 12032 | | | | |
| Client ID: | MB for batch 12032 | | | Prep Basis: | As Received |
| Batch ID: | 12173 | Method: | SW846 8290A | | |
| Run Date: | 08/02/2010 20:29 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b02aug10a-4 | | | Dilution: | 1 |
| Prep Batch: | 12032 | Prep Method: | SW846 3540C | | |
| Prep Date: | 01-AUG-10 | Aliquot: | 10 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | U | .061 | | pg/g | 0.061 | 1.00 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | J | 0.268 | | pg/g | 0.0708 | 5.00 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | J | 0.296 | | pg/g | 0.0884 | 5.00 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | J | 0.332 | | pg/g | 0.0888 | 5.00 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | J | 0.484 | | pg/g | 0.104 | 5.00 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | J | 0.642 | | pg/g | 0.099 | 5.00 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | J | 2.42 | | pg/g | 0.191 | 10.0 |
| 51207-31-9 | 2,3,7,8-TCDF | J | 0.240 | | pg/g | 0.076 | 1.00 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | J | 0.236 | | pg/g | 0.0574 | 5.00 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | JK | | 0.234 | pg/g | 0.0548 | 5.00 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | J | 0.338 | | pg/g | 0.0734 | 5.00 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | J | 0.328 | | pg/g | 0.0672 | 5.00 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | J | 0.340 | | pg/g | 0.0736 | 5.00 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | J | 0.510 | | pg/g | 0.100 | 5.00 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | J | 0.468 | | pg/g | 0.0694 | 5.00 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | JK | | 0.496 | pg/g | 0.0952 | 5.00 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | J | 1.64 | | pg/g | 0.218 | 10.0 |
| 41903-57-5 | Total Tetrachlorodibenzo-p-dioxin | U | .061 | | pg/g | 0.061 | 1.00 |
| 36088-22-9 | Total Pentachlorodibenzo-p-dioxin | J | 0.268 | | pg/g | 0.0708 | 5.00 |
| 34465-46-8 | Total Hexachlorodibenzo-p-dioxin | J | 1.11 | | pg/g | 0.0884 | 5.00 |
| 37871-00-4 | Total Heptachlorodibenzo-p-dioxin | J | 0.642 | | pg/g | 0.099 | 5.00 |
| 30402-14-3 | Total Tetrachlorodibenzofuran | J | 0.386 | | pg/g | 0.076 | 1.00 |
| 30402-15-4 | Total Pentachlorodibenzofuran | J | 0.236 | 0.470 | pg/g | 0.0548 | 5.00 |
| 55684-94-1 | Total Hexachlorodibenzofuran | J | 1.52 | | pg/g | 0.0672 | 5.00 |
| 38998-75-3 | Total Heptachlorodibenzofuran | J | 0.468 | 0.964 | pg/g | 0.0694 | 5.00 |
| | TEQ WHO2005 ND=0 | | 0.574 | 0.649 | pg/g | | |
| | TEQ WHO2005 ND=0.5 | | 0.613 | 0.680 | pg/g | | |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 162 | 200 | pg/g | 80.8 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 143 | 200 | pg/g | 71.7 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 155 | 200 | pg/g | 77.7 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 152 | 200 | pg/g | 75.9 | (40%-135%) |
| 13C-OCDD | | 260 | 400 | pg/g | 65.0 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 159 | 200 | pg/g | 79.5 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 138 | 200 | pg/g | 69.0 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 139 | 200 | pg/g | 69.4 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 139 | 200 | pg/g | 69.3 | (40%-135%) |

**Comments:**

J Value is estimated

K Estimated Maximum Possible Concentration

U Analyte was analyzed for , but not detected above the specified detection limit.

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 0070698 | Client: | AAIS001 | Project: | QC |
| Lab Sample ID: | 12001556 | | | Matrix: | SOIL |
| Client Sample: | QC for batch 12032 | | | | |
| Client ID: | LCS for batch 12032 | | | Prep Basis: | As Received |
| Batch ID: | 12173 | Method: | SW846 8290A | | |
| Run Date: | 08/02/2010 18:53 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b02aug10a-2 | | | Dilution: | 1 |
| Prep Batch: | 12032 | Prep Method: | SW846 3540C | | |
| Prep Date: | 01-AUG-10 | Aliquot: | 10 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | | 21.4 | | pg/g | 0.0812 | 1.00 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | | 103 | | pg/g | 0.222 | 5.00 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | | 106 | | pg/g | 0.242 | 5.00 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | | 107 | | pg/g | 0.244 | 5.00 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | | 118 | | pg/g | 0.284 | 5.00 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | | 104 | | pg/g | 0.208 | 5.00 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | | 194 | | pg/g | 0.520 | 10.0 |
| 51207-31-9 | 2,3,7,8-TCDF | | 19.9 | | pg/g | 0.0742 | 1.00 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | | 101 | | pg/g | 0.170 | 5.00 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | | 95.3 | | pg/g | 0.162 | 5.00 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | | 115 | | pg/g | 0.244 | 5.00 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | | 113 | | pg/g | 0.224 | 5.00 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | | 124 | | pg/g | 0.334 | 5.00 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | | 111 | | pg/g | 0.244 | 5.00 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | | 104 | | pg/g | 0.222 | 5.00 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | | 102 | | pg/g | 0.304 | 5.00 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | | 201 | | pg/g | 0.366 | 10.0 |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 166 | 200 | pg/g | 82.8 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 149 | 200 | pg/g | 74.5 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 156 | 200 | pg/g | 77.9 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 152 | 200 | pg/g | 76.0 | (40%-135%) |
| 13C-OCDD | | 269 | 400 | pg/g | 67.3 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 163 | 200 | pg/g | 81.5 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 146 | 200 | pg/g | 73.2 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 136 | 200 | pg/g | 68.0 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 142 | 200 | pg/g | 71.0 | (40%-135%) |

Comments:

# Hi-Res Dioxins/Furans
## Certificate of Analysis
## Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 0070698 | Client: | AAIS001 | Project: | QC |
| Lab Sample ID: | 12001557 | | | Matrix: | SOIL |
| Client Sample: | QC for batch 12032 | | | | |
| Client ID: | LCSD for batch 12032 | | | Prep Basis: | As Received |
| Batch ID: | 12173 | Method: | SW846 8290A | | |
| Run Date: | 08/02/2010 19:41 | Analyst: | MJC | Instrument: | HRP763 |
| Data File: | b02aug10a-3 | | | Dilution: | 1 |
| Prep Batch: | 12032 | Prep Method: | SW846 3540C | | |
| Prep Date: | 01-AUG-10 | Aliquot: | 10 g | | |

| CAS No. | Parmname | Qual | Result | EMPC | Units | EDL | PQL |
|---|---|---|---|---|---|---|---|
| 1746-01-6 | 2,3,7,8-TCDD | | 20.9 | | pg/g | 0.075 | 1.00 |
| 40321-76-4 | 1,2,3,7,8-PeCDD | | 101 | | pg/g | 0.147 | 5.00 |
| 39227-28-6 | 1,2,3,4,7,8-HxCDD | | 101 | | pg/g | 0.172 | 5.00 |
| 57653-85-7 | 1,2,3,6,7,8-HxCDD | | 102 | | pg/g | 0.173 | 5.00 |
| 19408-74-3 | 1,2,3,7,8,9-HxCDD | | 105 | | pg/g | 0.202 | 5.00 |
| 35822-46-9 | 1,2,3,4,6,7,8-HpCDD | | 101 | | pg/g | 0.264 | 5.00 |
| 3268-87-9 | 1,2,3,4,6,7,8,9-OCDD | | 190 | | pg/g | 0.562 | 10.0 |
| 51207-31-9 | 2,3,7,8-TCDF | | 19.1 | | pg/g | 0.073 | 1.00 |
| 57117-41-6 | 1,2,3,7,8-PeCDF | | 100 | | pg/g | 0.138 | 5.00 |
| 57117-31-4 | 2,3,4,7,8-PeCDF | | 94.1 | | pg/g | 0.132 | 5.00 |
| 70648-26-9 | 1,2,3,4,7,8-HxCDF | | 111 | | pg/g | 0.288 | 5.00 |
| 57117-44-9 | 1,2,3,6,7,8-HxCDF | | 111 | | pg/g | 0.264 | 5.00 |
| 72918-21-9 | 1,2,3,7,8,9-HxCDF | | 111 | | pg/g | 0.394 | 5.00 |
| 60851-34-5 | 2,3,4,6,7,8-HxCDF | | 104 | | pg/g | 0.288 | 5.00 |
| 67562-39-4 | 1,2,3,4,6,7,8-HpCDF | | 102 | | pg/g | 0.236 | 5.00 |
| 55673-89-7 | 1,2,3,4,7,8,9-HpCDF | | 103 | | pg/g | 0.326 | 5.00 |
| 39001-02-0 | 1,2,3,4,6,7,8,9-OCDF | | 200 | | pg/g | 0.566 | 10.0 |

| Surrogate/Tracer recovery | Qual | Result | Nominal | Units | Recovery% | Acceptable Limits |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | | 165 | 200 | pg/g | 82.5 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDD | | 150 | 200 | pg/g | 74.8 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDD | | 164 | 200 | pg/g | 82.1 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDD | | 156 | 200 | pg/g | 78.2 | (40%-135%) |
| 13C-OCDD | | 258 | 400 | pg/g | 64.5 | (40%-135%) |
| 13C-2,3,7,8-TCDF | | 163 | 200 | pg/g | 81.7 | (40%-135%) |
| 13C-1,2,3,7,8-PeCDF | | 146 | 200 | pg/g | 72.9 | (40%-135%) |
| 13C-1,2,3,6,7,8-HxCDF | | 148 | 200 | pg/g | 74.1 | (40%-135%) |
| 13C-1,2,3,4,6,7,8-HpCDF | | 141 | 200 | pg/g | 70.7 | (40%-135%) |

Comments:

## Appendix C

## Certificate of Disposal and Non-Hazardous Waste Manifests (Vegetation)

ENVIRONMENTAL AND INDUSTRIAL RESOURCES

1703 Vargrave Street
Winston-Salem, NC 27107
*ph 336-725-5844*
*fax 336-725-6244*

# CERTIFICATE OF DISPOSAL

Evo Corporation does hereby certify that 74.39 tons of non-hazardous debris received on 09/02/2010, 09/03/2010, 09/07/2010 and 09/08/2010 from:

Generator: North Carolina Department of Transportation

Originating at: DOT Construction Road South of 3415 Glenn Avenue
(DOT ROW East of HWY 52)
Winston-Salem, NC

EC Waste ID #: 091002

has been disposed of by Evo Corporation in a manner approved by the North Carolina Department of Environment and Natural Resources.

Thomas W. Hammett

Signature

Thomas W. Hammett
CEO
Evo Corporation

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.250.4088
4. Waste Tracking Number: 091002-06

5. Generator's Name and Mailing Address
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
3415 Glenn Ave Winston-Salem, NC

6. Transporter 1 Company Name: EVO Corporation — U.S. EPA ID Number:

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road Winston Salem, NC 27105
Facility's Phone: 336 661 4960
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt/Vol. | |
|---|---|---|---|---|---|---|
| X | 1. ~~Clean Concrete~~ | | ~~DT~~ | | ~~T~~ | |
| X | 2. non-hazardous Vegetation & Debris | | DT | 3.02 | T | 30,140 / 24,100 |
| | 3. | | | | | 6,040 |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information

EVL#091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) — Signature: [signature] — Month 9 Day 8 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Tim L Myers — Signature: [signature] — Month 09 Day 08 Year 10

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

Hanes Mill Landfill

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: James Bedler — Signature: [signature] — Month 9 Day 8 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06)

TRANSPORTER #1

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:

2. Page 1 of 1

3. Emergency Response Phone: 919.250.4058

4. Waste Tracking Number: 091002-21

5. Generator's Name and Mailing Address: NC Department of Transportation, 1020 Birch Ridge Dr. Raleigh, NC 27610

Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address): NCDOT Construction Entrance, 3415 Glenn Ave Winston Salem, NC

6. Transporter 1 Company Name: MJ Corporation

U.S. EPA ID Number:

7. Transporter 2 Company Name:

U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Hanes Mill Road Landfill, 325 Hanes Mill Road Winston Salem NC

U.S. EPA ID Number:

Facility's Phone: 336.661.4900

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. non-hazardous vegetation & Debris | 1 | DT | 3.33 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information

30,760
24,100
6,660
Evt#091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) — Signature: Josh Clement — Month 9 Day 8 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Tim L Myers — Signature: Tim L Myers — Month 09 Day 08 Year 10

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

Hanes Ran LLC

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Lameta Alexander — Signature: [illegible] — Month 9 Day 8 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06) TRANSPORTER #1

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919-250-4088
4. Waste Tracking Number: 091002-20

5. Generator's Name and Mailing Address
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919-250-4088

Generator's Site Address (if different than mailing address)
NCDOT Construction Entrance
3415 Glenn Ave. Winston-Salem, NC

6. Transporter 1 Company Name: GAD Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road Winston Salem, NC 27105
Facility's Phone: 336-661-4900
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt/Vol. | |
|---|---|---|---|---|---|---|
| X | 1. non hazardous Vegetation & Debris | | DT | 6.32 | T | |
| | 2. | | #208 | | | |
| | 3. | | 091002 | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
#208 45,640
33,000
EW#091002 12,640

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) Signature: [signature] Month 9 Day 8 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GARY McGuffin Signature: [signature] Month 9 Day 8 Year 10

Transporter 2 Printed/Typed Name: Signature: Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

Hanes Landfill

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: LaMeta Alexander Signature: [signature] Month 9 Day 8 Year 10

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06) TRANSPORTER #1

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919 250 4088
4. Waste Tracking Number: 091002 - 22

5. Generator's Name and Mailing Address: NC Department of Transportation, 1620 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919-250-4088
Generator's Site Address (if different than mailing address): NCDOT Construction Entrance, 3415 Glenn Ave, Winston Salem, NC

6. Transporter 1 Company Name: EVI Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Hanes Mill Road Landfill, 325 Hanes Mill Road, Winston-Salem, NC 27105
Facility's Phone: 336-661-4900
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt/Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non hazardous Vegetation & Debris | | DT | 4.81 | T | |
| | 2. | | | | | |
| | 3. | #208 | | | | |
| | 4. | 091002 | | | | |

13. Special Handling Instructions and Additional Information

#208 42,620
33,000
9,620
EVI # 091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT)
Signature: Josh Clement
Month 9 Day 7 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GARY McGuffin
Signature: Gary McGuffin
Month 9 Day 7 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: James Becker
Signature: J Becker
Month 9 Day 7 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06)

TRANSPORTER #1

| NON-HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of 1 | 3. Emergency Response Phone 919.250.4088 | 4. Waste Tracking Number 091002-15 |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
NC Department of Transportation
1620 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
2415 Glenn Ave Winston Salem, NC

6. Transporter 1 Company Name: EVO Corporation — U.S. EPA ID Number:

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston Salem, NC 27105
Facility's Phone: 336.661.4963
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non Hazardous Vegetation & Debris | | DT | 3.82 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

208
091002

13. Special Handling Instructions and Additional Information

40,640
33,000
7,640

II 208

EVO# 091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) — Signature: [signature] — Month 9 Day 3 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GARY McGuffin — Signature: [signature] — Month 9 Day 3 Year 10

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [signature] — Signature: [signature] — Month 9 Day 3 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:

2. Page 1 of 1

3. Emergency Response Phone: 919.250.4088

4. Waste Tracking Number: 091002-17

5. Generator's Name and Mailing Address
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
3415 Glenn Ave Winston-Salem, NC

6. Transporter 1 Company Name: EVU Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
3325 Hanes Mill Road, Winston-Salem, NC 27105
Facility's Phone: 336 661-4900
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-hazardous Vegetation & Debris | | DT | 4.78 | T | |
| | 2. | | | | | |
| | 3. | | #208 | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information

#208

EVU#091002

42,560
33,000
9,560

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) | Signature: Josh Clement | Month 9 | Day 3 | Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. | Port of entry/exit:
Transporter Signature (for exports only): | Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GARY MCGRIFFIN | Signature: Gary McGriffin | Month 9 | Day 3 | Year 10

Transporter 2 Printed/Typed Name: | Signature: | Month | Day | Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

Hanes Mill Landfill

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tamela Cathwright | Signature: [illegible] | Month 9 | Day 3 | Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06)

TRANSPORTER #1

| NON-HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of 1 | 3. Emergency Response Phone 919.250.4188 | 4. Waste Tracking Number 091002-18 |
|---|---|---|---|---|

**5. Generator's Name and Mailing Address**
NC Department of Transportation
1020 Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4188

**Generator's Site Address (if different than mailing address)**
NCDOT
Construction Entrance
2415 Glenn Ave Winston-Salem, NC

**6. Transporter 1 Company Name**
Evo Corporation
U.S. EPA ID Number

**7. Transporter 2 Company Name**
U.S. EPA ID Number

**8. Designated Facility Name and Site Address**
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston Salem, NC 27105
Facility's Phone: 336.661.4900
U.S. EPA ID Number

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-hazardous Vegetation & Debris | | DT | 4.42 | T | |
| | 2. | | #208 | | | |
| | 3. | | -091002 | | | |
| | 4. | | | | | |

**13. Special Handling Instructions and Additional Information**
#208
EVO #091002
41,840
33,000
8,840

**14. GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) | Signature: Josh Clement | Month 9 | Day 3 | Year 10

**15. International Shipments** ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

**16. Transporter Acknowledgment of Receipt of Materials**

Transporter 1 Printed/Typed Name: GARY McGuffin | Signature: Gary McGuffin | Month 9 | Day 3 | Year 10

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

**17. Discrepancy**

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

Hanes Landfill

**18. Designated Facility Owner or Operator:** Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Kelly Clement | Signature: Kelly Clement | Month 9 | Day 3 | Year 10

GENERATOR | TRANSPORTER INT'L | TRANSPORTER | DESIGNATED FACILITY

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.250.4088
4. Waste Tracking Number: 091002-11

5. Generator's Name and Mailing Address
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address)
NCDOT Construction Entrance
3415 Glenn Ave Winston-Salem NC

6. Transporter 1 Company Name: FWC Corporation — U.S. EPA ID Number:

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road Winston Salem, NC 27105
Facility's Phone: 336.661.4903
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-Hazardous Vegetation & Debris | | DT | 4.27 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
#208 41,540
33,000
EVO# 091002 8,540

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) — Signature: [signature] — Month 9 Day 3 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GARY McGuffin — Signature: [signature] — Month 9 Day 3 Year 10

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [signature] — Signature: [signature] — Month 9 Day 3 Year 10

GENERATOR — TRANSPORTER INT'L — TRANSPORTER — DESIGNATED FACILITY

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:

2. Page 1 of 1

3. Emergency Response Phone: 919.250.4088

4. Waste Tracking Number: 091062-13

5. Generator's Name and Mailing Address
NC Department of Transportation
1620 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
2415 Glenn Ave Winston Salem, NC

6. Transporter 1 Company Name: EVO Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road Winston-Salem, NC 27105
Facility's Phone: 336.661.4903
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-hazardous Vegetation & Debris | | DT | 1.45 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information

27,640
24,740
2,900

EVO# 091062

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) | Signature: Josh Clement | Month 9 | Day 3 | Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. ☐ Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mitch Queen | Signature: Mitch Queen | Month 9 | Day 3 | Year 10

Transporter 2 Printed/Typed Name: | Signature: | Month | Day | Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: W. Staley | Signature: | Month 9 | Day 3 | Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06)

TRANSPORTER #1

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.250.4088
4. Waste Tracking Number: 091002-12

**GENERATOR**

5. Generator's Name and Mailing Address: NC Department of Transportation, 1620 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088
Generator's Site Address (if different than mailing address): NCDOT Construction Entrance, 3415 Glenn Ave Winston Salem, NC

6. Transporter 1 Company Name: EVO Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Hanes Mill Road Landfill, 3325 Hanes Mill Road Winston Salem, NC 27105
Facility's Phone: 336 661.4963
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non Hazardous Vegetation & Debris | | DT | 1.67 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information

TK 101 27,440
24,100
3,340
EVO# 091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT)
Signature: Josh Clement
Month 9 Day 3 Year 10

**INT'L**

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. ✓ Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mitch Queen
Signature: Mitch Queen
Month 9 Day 3 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

**DESIGNATED FACILITY**

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

Hanes Landfill

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a.

Printed/Typed Name: Andrew Edwards
Signature: Andrew Edwards
Month 9 Day 3 Year 10

169-BLC-O 5 11977 (Rev. 8/06)

TRANSPORTER #2

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.257.4688
4. Waste Tracking Number: 091662.16

5. Generator's Name and Mailing Address: N.C. Department of Transportation, 1626 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.257.4688

Generator's Site Address (if different than mailing address): NCDOT Construction Entrance, 2415 Glenn Ave. Winston Salem, N.C.

6. Transporter 1 Company Name: Evi Corporation — U.S. EPA ID Number:

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Hanus Hill Road Landfill, 325 Hanus Hill Road, Winston Salem, NC 27105 — U.S. EPA ID Number:
Facility's Phone: 336.661.4906

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt/Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-hazardous Vegetation & Debris | | DT | 4.04 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information

TK 101

32,180
24,100
8,080

EVI# 091662

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) — Signature: [signature] — Month 9 Day 3 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mitch Queen — Signature: [signature] — Month 9 Day 3 Year 10

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

Hanus Landfill

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [illegible] — Signature: [signature] — Month 9 Day 3 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

| NON-HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of 1 | 3. Emergency Response Phone 919-250-4088 | 4. Waste Tracking Number 091002-02 |
|---|---|---|---|---|

**5. Generator's Name and Mailing Address**
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919-250-4088

**Generator's Site Address (if different than mailing address)**
NCDOT
Construction Entrance
3415 Glenn Ave, Winston-Salem, NC

**6. Transporter 1 Company Name**
EVI Corporation
U.S. EPA ID Number

**7. Transporter 2 Company Name**
U.S. EPA ID Number

**8. Designated Facility Name and Site Address**
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston-Salem, NC 27105
Facility's Phone: 336-601-4963
U.S. EPA ID Number

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-Hazardous Vegetation & Debris | | DT | 3.41 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

**13. Special Handling Instructions and Additional Information**
#208
39,820
33,000
6,820
EVI# 091002

**14. GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: WYRICK SCOTT NCDOT
Signature:
Month 9 Day 2 Year 10

**15. International Shipments** ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

**16. Transporter Acknowledgment of Receipt of Materials**

Transporter 1 Printed/Typed Name: GARY McGuffin
Signature: Gary McGuffin
Month 9 Day 2 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

**17. Discrepancy**

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

HANES LANDFILL

**18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a**

Printed/Typed Name: J. Murphy
Signature: J. Murphy
Month 9 Day 2 Year 10

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.251.4188
4. Waste Tracking Number: 091002-09

5. Generator's Name and Mailing Address
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.251.4188

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
3415 Glenn Ave Winston Salem, NC

6. Transporter 1 Company Name: EVG Corporation — U.S. EPA ID Number:

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
3255 Hanes Mill Road, Winston-Salem, NC 27105
Facility's Phone: 336.661.4903
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-hazardous Vegetation & Debris | | DT | 2.65 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
#308
38,300
33,000
5,300
EVG# 091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: INVRICK SCOTT NCDOT — Signature: [signature] — Month 9 Day 2 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GARY McGuffin — Signature: [signature] — Month 9 Day 2 Year 10

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: T. Murphy — Signature: T. [signature] — Month 9 Day 2 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.256.4088
4. Waste Tracking Number: 091002-08

5. Generator's Name and Mailing Address
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.256.4088

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
3415 Glenn Ave, Winston Salem, NC

6. Transporter 1 Company Name: EVO Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston-Salem, NC 27105
Facility's Phone: 336.661.4903
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-hazardous Vegetation & Debris | | DT | 3.64 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
#208 40,280 − 33,000 = 7,280
EVO# 091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: WYRICK SCOTT NCDOT
Signature: [signature]
Month 9 Day 2 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GARY MCGUFFIN
Signature: [signature]
Month 9 Day 2 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: T. Murphy
Signature: [signature]
Month 9 Day 2 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.250.4088
4. Waste Tracking Number: 091002-03

5. Generator's Name and Mailing Address
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
3415 Glenn Ave Winston-Salem, NC

6. Transporter 1 Company Name: EVO Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston-Salem, NC 27105
Facility's Phone: 336.661.4903
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-hazardous Vegetation & Debris | | DT | 3.45 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
#208 39,900
33,000
6,900
EVO# 091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: WYRICK SCOTT NCDOT
Signature:
Month 9 Day 2 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GARY McGuffin
Signature: Gary McGuffin
Month 9 Day 2 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: T. Murphy
Signature: T. M
Month 9 Day 02 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06)

TRANSPORTER #1

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919-250-4088
4. Waste Tracking Number: 091002-04

**GENERATOR**

5. Generator's Name and Mailing Address
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919-250-4058

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
3415 Glenn Ave Winston Salem, NC

6. Transporter 1 Company Name: EVO Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston-Salem, NC 27105
Facility's Phone: 336-661-4963
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt/Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non hazardous Vegetation & Debris | | DT | 2.74 | T | |
| | 2. | # 208 | | | | |
| | 3. | 091002 | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information

TK# 208 38,480
33,000
5,480
EVO#091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: WYRICK SCOTT NCDOT
Signature: [signature]
Month 9 Day 2 Year 10

**INT'L**

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gary McGuffin
Signature: Gary McGuffin
Month 9 Day 2 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

**DESIGNATED FACILITY**

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Timothy Murphy
Signature: [signature]
Month 9 Day 2 Year 10

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.250.4088
4. Waste Tracking Number: 091602.07

5. Generator's Name and Mailing Address
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
2215 Glenn Ave. Winston-Salem, NC

6. Transporter 1 Company Name: EVO Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston-Salem, NC
Facility's Phone: 336.661.4903
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non hazardous Vegetation & Debris | | DT | 2.75 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
TK101 29,600 − 24,100 = 5,500
EVO #091602

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: WYRICK SCOTT NCDOT
Signature:
Month 9 Day 2 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mitch Queen
Signature:
Month 9 Day 2 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month 9 Day 2 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

| NON-HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of 1 | 3. Emergency Response Phone 919.256.4655 | 4. Waste Tracking Number 091662.14 |
|---|---|---|---|---|

GENERATOR

5. Generator's Name and Mailing Address
NC Department of Transportation
1636 Birch Ridge Dr. Raleigh NC 7616
Generator's Phone: 919.250.4655

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
3415 Glenn Ave Winston-Salem, NC

6. Transporter 1 Company Name: EVG Corporation — U.S. EPA ID Number:

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
3325 Hanes Mill Road, Winston Salem, NC 27105
Facility's Phone: 336.661.4963
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-hazardous Vegetation & Debris | | DT | 1.88 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
27,860
24,100
3,760
EVG# 091662

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) — Signature: Josh Clement — Month 9 Day 2 Year 10

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. ✓ Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mitch Queen — Signature: Mitch Queen — Month 9 Day 2 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

Hanes Landfill

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Tom — Signature — Month 9 Day 2 Year 10

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.250.4088
4. Waste Tracking Number: 091602-06

5. Generator's Name and Mailing Address
NC Department of Transportation
1620 Birch Ridge Dr., Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
13415 Glenn Ave Winston-Salem, NC

6. Transporter 1 Company Name: EW Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston-Salem, NC
Facility's Phone: 336.661.4963
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-hazardous Vegetation & Debris | | DT | .99 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
TK 101 26,080 / 24,100 / 1,980
EW# 091602

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: WYRICK SCOTT NCDOT
Signature:
Month 9 Day 2 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mitch Queen
Signature: Mitch Queen
Month 9 Day 2 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

Hanes Land fill

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Lameta Alvarez
Signature: Lameta Alvarez
Month 9 Day 2 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.250.4088
4. Waste Tracking Number: 091002-05

5. Generator's Name and Mailing Address
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
2415 Glenn Ave, Winston-Salem, NC

6. Transporter 1 Company Name: Mo Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston-Salem, NC 27105
Facility's Phone: 336.661.4963
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non Hazardous Vegetation & Debris | | DT | 3.64 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
TK 101
31,380
24,100
7,280
EW# 091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: WYRICK SCOTT NCDOT
Signature:
Month 9 Day 2 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mitch Queen
Signature:
Month 9 Day 2 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: T. Murphy
Signature:
Month 9 Day 2 Year 10

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06)

TRANSPORTER #1

| NON-HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of 1 | 3. Emergency Response Phone 919-250-4088 | 4. Waste Tracking Number 091002-01 |
|---|---|---|---|---|

**5. Generator's Name and Mailing Address**
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919-250-4088

**Generator's Site Address (if different than mailing address)**
NC DOT
Construction Entrance
3415 Glenn Ave, Winston-Salem, NC

**6. Transporter 1 Company Name**
ZUO Corporation
U.S. EPA ID Number

**7. Transporter 2 Company Name**
U.S. EPA ID Number

**8. Designated Facility Name and Site Address**
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston-Salem, NC 27105
Facility's Phone: 336-661-4903
U.S. EPA ID Number

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| | 1. Non-Hazardous Vegetation Debris | | DT | 2.27 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

**13. Special Handling Instructions and Additional Information**
TK 101 28,640
24,100
4,540
EV0#091002

**14. GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Wyrick Scott NCDOT
Signature: [signature]
Month 09 Day 2 Year 10

**15. International Shipments** ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

**16. Transporter Acknowledgment of Receipt of Materials**

Transporter 1 Printed/Typed Name: Mitch Queen
Signature: [signature]
Month 9 Day 2 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

**17. Discrepancy**

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

HANES LANDFILL

**18. Designated Facility Owner or Operator:** Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: T. Murphy
Signature: [signature]
Month 9 Day 2 Year 10

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.250.4088
4. Waste Tracking Number: 091002-10

5. Generator's Name and Mailing Address
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
3415 Glenn Ave Winston Salem, NC

6. Transporter 1 Company Name: EVO Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road Winston-Salem, NC 27105
Facility's Phone: 336.661.4903
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt/Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-hazardous Vegetation & Debris | | DT | 1.92 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
TK 101
EVO# 091002
27,940
24,100
3,840

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: WYRICK SCOTT NCDOT
Signature:
Month 9 Day 2 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mitch Queen
Signature:
Month 9 Day 2 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: T. Murphy
Signature:
Month 9 Day 2 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06)

TRANSPORTER #1

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number
2. Page 1 of 1
3. Emergency Response Phone: 919 250 4088
4. Waste Tracking Number: 091062-19

5. Generator's Name and Mailing Address
NC Department of Transportation
1620 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919-250-4158

Generator's Site Address (if different than mailing address)
NCDOT Construction Entrance
2415 Glenn Ave. Winston-Salem, NC

6. Transporter 1 Company Name: EVI Corporation — U.S. EPA ID Number:

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
3325 Hanes Mill Road Winston Salem, NC 27105
Facility's Phone: 336-661-4900
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt/Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Non-hazardous Vegetation and Debris | | DT | 3.12 | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
TK 101
EVI 091062
30,340
24,100
6,240

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) — Signature: Josh Clement — Month 9 Day 3 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mitch Queen — Signature: Mitch Queen — Month 9 Day 3 Year 10

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

Hanes Mill Landfill

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Kameta Worster — Signature: Kameta Worster — Month 9 Day 3 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06) TRANSPORTER #1

## Appendix D

## Certificates of Disposal and Non-Hazardous Waste Manifests (Concrete)

ENVIRONMENTAL AND INDUSTRIAL RESOURCES

1703 Vargrave Street
Winston-Salem, NC 27107
*ph 336-725-5844*
*fax 336-725-6244*

# CERTIFICATE OF DISPOSAL

Evo Corporation does hereby certify that 6 loads of clean, non-contaminated concrete received on 09/02/2010, 09/03/2010 and 09/07/2010 from:

Generator: North Carolina Department of Transportation

Originating at: DOT Construction Road South of 3415 Glenn Avenue
(DOT ROW East of HWY 52)
Winston-Salem, NC

EC Waste ID #: 091002

and was transported to Hanes Landfill in Winston-Salem, NC for proper disposal.

Signature

Thomas W. Hammett
CEO
Evo Corporation

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.256.4688
4. Waste Tracking Number: 091002-08

5. Generator's Name and Mailing Address: NC Department of Transportation, 1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.256.4688
Generator's Site Address (if different than mailing address): NCDOT Construction Entrance, 3415 Glenn Ave Winston Salem, NC

6. Transporter 1 Company Name: EVII Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number: 3.34

8. Designated Facility Name and Site Address: Hanes Mill Road Landfill, 3255 Hanes Mill Road, Winston Salem, NC 27105
Facility's Phone: 336.661.4900
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Clean Concrete | | DT | | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
TK 101
EV# 091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT)
Signature: Josh Clement
Month 9 Day 3 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mitch Queen
Signature: Mitch Queen
Month 9 Day 3 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name:
Signature:
Month 9 Day 3 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06)

TRANSPORTER #1

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.250.4088
4. Waste Tracking Number: 091002-05

5. Generator's Name and Mailing Address:
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address):
NCDOT
Construction Entrance
3415 Glenn Ave Winston Salem, NC

6. Transporter 1 Company Name: EVO Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston Salem, NC 27105
Facility's Phone: 336.661.4960
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Clean Concrete | | DT | | T | |
| | 2. | | | | | |
| | 3. | | #208 091002 | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information

#208

EVO# 091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) | Signature: Josh Clement | Month 9 | Day 3 | Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GARY McGuffie | Signature: Gary McGuffie | Month 9 | Day 3 | Year 10

Transporter 2 Printed/Typed Name: | Signature: | Month | Day | Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month | Day | Year

Hanes Landfill

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Pamela Alexander | Signature: Pamela Alexander | Month 9 | Day 3 | Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06) TRANSPORTER #1

| NON-HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of 1 | 3. Emergency Response Phone 919.250.4088 | 4. Waste Tracking Number 091002-03 |
|---|---|---|---|---|

**5. Generator's Name and Mailing Address**
NC Department of Transportation
1020 Birch Ridge Dr, Raleigh, NC 27610
Generator's Phone: 919.250.4088

**Generator's Site Address (if different than mailing address)**
NCDOT
Construction Entrance
3415 Glenn Ave Winston-Salem, NC

**6. Transporter 1 Company Name**
EVI Corporation
U.S. EPA ID Number

**7. Transporter 2 Company Name**
U.S. EPA ID Number

**8. Designated Facility Name and Site Address**
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston-Salem, NC 27105
Facility's Phone: 336.661.4900
U.S. EPA ID Number

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Clean Concrete | | DT | | T | |
| | 2. | | | #208 | | |
| | 3. | | | 091002 | | |
| | 4. | | | | | |

**13. Special Handling Instructions and Additional Information**
#208
J. Clement (NCDOT) EVI #091002

**14. GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) | Signature: Josh Clement | Month 9 | Day 2 | Year 10

**15. International Shipments** ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

**16. Transporter Acknowledgment of Receipt of Materials**

Transporter 1 Printed/Typed Name: GARY McGuffin | Signature: Gary McGuffin | Month 9 | Day 3 | Year 10

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

**17. Discrepancy**

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month | Day | Year

Hanes Landfill

**18. Designated Facility Owner or Operator:** Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Ja Meta Alexander | Signature: [illegible] | Month 9 | Day 3 | Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

| NON-HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of 1 | 3. Emergency Response Phone 919.250.4088 | 4. Waste Tracking Number 091002-07 |
|---|---|---|---|---|

**GENERATOR**

5. Generator's Name and Mailing Address
NC Department of Transportation
1620 Birch Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
3415 Glenn Ave Winston-Salem, NC

6. Transporter 1 Company Name: EVC Corporation — U.S. EPA ID Number:

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road, Winston Salem, NC 27105
Facility's Phone: 336 661.4900
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. Clean Concrete | | DT | | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
#208
EW# 091667

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) — Signature: [signature] — Month 9 Day 7 Year 10

**INT'L**

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GARY McGuffin — Signature: [signature] — Month 9 Day 7 Year 10

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

**DESIGNATED FACILITY**

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tim Murphy — Signature: [signature] — Month 9 Day 7 Year 10

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919.250.4088
4. Waste Tracking Number: 091062-01

5. Generator's Name and Mailing Address:
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919.250.4088

Generator's Site Address (if different than mailing address):
NCDOT
Construction Entrance
3415 Glenn Ave Winston-Salem, NC

6. Transporter 1 Company Name: Evo Corporation
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Hanes Mill Road Landfill
325 Hanes Mill Road Winston-Salem, NC 27105
Facility's Phone: 336.661.4900
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. clean concrete | | DT | | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
EVO # 091062

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT)
Signature: Josh Clement
Month 9 Day 2 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Terry Craig
Signature: Terry Craig
Month 9 Day 2 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: T. Murphy
Signature: T. Murphy
Month 9 Day 2 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06)

TRANSPORTER #1

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 919 250-4088
4. Waste Tracking Number: 091002-04

5. Generator's Name and Mailing Address
NC Department of Transportation
1020 Birch Ridge Dr. Raleigh, NC 27610
Generator's Phone: 919-250-4188

Generator's Site Address (if different than mailing address)
NCDOT
Construction Entrance
3415 Glenn Ave. Winston Salem, NC

6. Transporter 1 Company Name: EVU Corporation — U.S. EPA ID Number:

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Hanes Mill Road Landfill
325 Hanes Mill Road Winston-Salem, NC 27105
Facility's Phone: 336-661-4900
U.S. EPA ID Number:

| | 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | |
|---|---|---|---|---|---|---|
| X | 1. clean concrete | | DT | | T | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

13. Special Handling Instructions and Additional Information
EVU# 091002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOSH CLEMENT (NCDOT) — Signature: Josh Clement — Month 9 Day 2 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Terry Craig — Signature: Terry Craig — Month 9 Day 2 Year 10

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

HANES LANDFILL

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [illegible] — Signature: [illegible] — Month 9 Day 2 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

ENVIRONMENTAL AND INDUSTRIAL RESOURCES

1703 Vargrave Street
Winston-Salem, NC 27107
*ph 336-725-5844*
*fax 336-725-6244*

# CERTIFICATE OF DISPOSAL

Evo Corporation does hereby certify that 16.79 tons of non-hazardous contaminated concrete received on 09/09/2010 from:

Generator: North Carolina Department of Transportation

Originating at: DOT Construction Road South of 3415 Glenn Avenue
(DOT ROW East of HWY 52)
Winston-Salem, NC

EC Waste ID #: 091002

has been disposed of by Evo Corporation in a manner approved by the North Carolina Department of Environment and Natural Resources.

Signature

Thomas W. Hammett
CEO
Evo Corporation

REPUBLIC SERVICES

# NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

071680

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

## GENERATOR (Generator completes Ia-r)

| a. Generator's US EPA ID Number | b. Manifest Document Number | c. Page 1 of |
|---|---|---|
| | 091002 - CS-1 | 1 |

| d. Generator's Name and Location: | e. Generator's Mailing Address: |
|---|---|
| NCDOT<br>DOT Construction Pd South of 3415 Clem Ave<br>Winston-Salem, NC 919-250-4022 | NCDOT<br>1020 Birch Ridge Drive<br>Raleigh NC 27610 919-250-4022 |
| f. Phone: | g. Phone: |
| If owner of the generating facility differs from the generator, provide: | |
| h. Owner's Name: | i. Owner's Phone No.: |

| j. Waste Profile # | k. Exp. Date | l. Waste Shipping Name and Description | m. Containers No. | m. Containers Type | n. Total Quantity | o. Unit Wt/Vol |
|---|---|---|---|---|---|---|
| 304 11013692 | 07-26-2010 | Concrete | 1 | TK | 16.79 | TON |
| | | | | | | |
| | | | | | | |

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

| p. Generator Authorized Agent Name (Print) | q. Signature | r. Date |
|---|---|---|
| WYRICK SCOTT | [signature] | 9-9-10 |

## TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
EVO Corporation
1702 Vanguard Street, Winston-Salem, NC 27107
b. Phone: 336-725-[illegible]

| c. Driver Name (Print) | d. Signature | e. Date |
|---|---|---|
| GARY McGuffin | Gary McGuffin | 9-9-10 |

## III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

| a. Disposal Facility and Site Address: | c. US EPA Number | d. Discrepancy Indication Space: |
|---|---|---|
| Uwharrie Environmental<br>500 Landfill Rd<br>Mt. Gilead, NC 27307<br>b. | | |

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

| e. Name of Authorized Agent (Print) | f. Signature | g. Date |
|---|---|---|
| Melanie Malabo | [signature] | 9-9-10 |

## IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

| a. Operator's Name and Address: | c. Responsible Agency Name and Address: |
|---|---|
| b. Phone: | d. Phone: |

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

| g. Operator's Name and Title (Print) | h. Signature | i. Date |
|---|---|---|
| | | |

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

## Appendix E

## Certificate of Disposal and Non-Hazardous Materials Manifest

ENVIRONMENTAL AND INDUSTRIAL RESOURCES

1703 Vargrave Street
Winston-Salem, NC 27107
*ph 336-725-5844*
*fax 336-725-6244*

# CERTIFICATE OF DISPOSAL

Evo Corporation does hereby certify that 1 drum of non-hazardous contaminated material received on 10/08/2010 from:

Generator: North Carolina Department of Transportation

Originating at: DOT Construction Road South of 3415 Glenn Avenue\
(DOT ROW East of HWY 52)
Winston-Salem, NC

EC Waste ID #: 091002

has been disposed of by Evo Corporation in a manner approved by the North Carolina Department of Environment and Natural Resources.

Signature

Thomas W. Hammett
CEO
Evo Corporation

# EVO CORPORATION

1703 Vargrave Street, Winston-Salem, NC 27107
www.evocorp.net

## NON-HAZARDOUS MATERIALS MANIFEST

Load # Manifest No. 70095

### GENERATOR INFORMATION

Generator: NCDOT Phone: 704-586-0007
Site Address: US-52 Right of Way in W-S
City/State: Winston-Salem, NC Contact: Brian O'Donnell

### MATERIAL DESCRIPTION / QUANTITY / WEIGHT

Gross Weight (lbs): Material: Soil
Empty Weight (lbs): Contaminant: Non-Haz VOC's/Metals
Net Weight (lbs):

Quantity 1 Tons Drums Pails Sacs Yards Other:

### TRANSPORTER INFORMATION

Transporter: Evo Corporation Phone: 336-725-5844
Truck #: 150 Contact: Tony Disher

As the transporter, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Driver Signature: Date: 10/8/10

### FACILITY INFORMATION

Evo Project #: 091002

EVO CORPORATION
1703 Vargrave Street
Winston-Salem, NC 27107

Phone: (336) 725-5844

Contact: Tony Disher

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: Date: 10/8/10

White/Facility Canary/Invoice Goldenrod/Generator Pink/Carrier

Evo Corporation, 2008

# Appendix F

# Photographs

Photograph 1: View of vegetation and debris piles along the DOT construction road prior to removal (between approximate -L- Station 50+50 to 52+50).

Photograph 2: View of cleared vegetation and debris pile removal (between approximate -L- Station 50+50 to 52+50).



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

**FORMER CAROLINA ORE**
**TIP: U-2826A - PARCEL 9**
**FORSYTH COUNTY, NORTH CAROLINA**

Photograph 3: View of the Carolina Ore ruins prior to removal and fill placement.

Photograph 4: View of the removed Carolina Ore ruins and orange safety fencing placement prior to fill placement.



Hart & Hickman
A Professional Corporation
2923 South Tryon Street-Suite 10C
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)

**FORMER CAROLINA ORE**
**TIP: U-2826A - PARCEL 9**
**FORSYTH COUNTY, NORTH CAROLINA**

Photograph 5: View of orange safety fencing and clean imported fill placement over the area of removed vegetation (between approximate -L- Station 50+50 to 52+50).

Photograph 6: View of clean imported fill placed over the area of removed vegetation (between approximate -L- Station 50+50 to 52+50).



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

**FORMER CAROLINA ORE**
**TIP: U-2826A - PARCEL 9**
**FORSYTH COUNTY, NORTH CAROLINA**

Photograph 7: View of orange safety fencing and clean imported fill placement over the Carolina Ore ruins.

Photograph 8: View of the eastern portion of the former Carolina Ore ruins after placement of orange safety fencing and clean imported fill.



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

**FORMER CAROLINA ORE**
**TIP: U-2826A - PARCEL 9**
**FORSYTH COUNTY, NORTH CAROLINA**

Photograph 9: View of black soil layer in pre-existing Highway 52 fill slope.

Photograph 10: View of orange safety fencing and plastic placement over the black soil layer .



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

FORMER CAROLINA ORE
TIP: U-2826A - PARCEL 9
FORSYTH COUNTY, NORTH CAROLINA

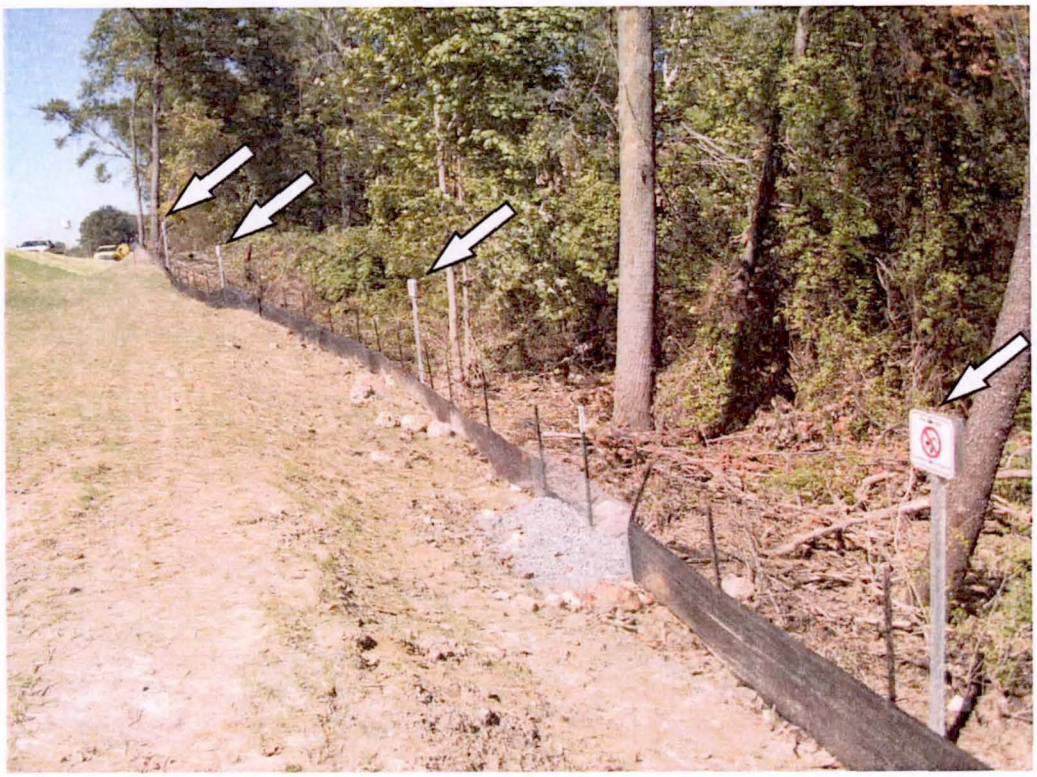
Photograph 11: View of existing mound of impacted soil located north of the Carolina Ore ruins.

Photograph 12: View of existing mound of impacted soil after placement of orange safety fencing and clean imported fill.



Hart & Hickman
A Professional Corporation
2923 South Tryon Street-Suite 10(
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)

**FORMER CAROLINA ORE**
**TIP: U-2826A - PARCEL 9**
**FORSYTH COUNTY, NORTH CAROLINA**



Photograph 13: View of "Do Not Dig" signs installed along the clearing line east of Highway 52 (between approximate -L- Station 50+50 to 52+50).

Photograph 14: View of "Do Not Dig" sign installed after construction of the slope along Highway 52.



Hart & Hickman
A Professional Corporation
2923 South Tryon Street-Suite 10(
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)