

Preliminary Site Assessment
Schulhofer's, Inc. Property Parcel #31
Pathway Investigation
Waynesville, Haywood County, NC

H&H Job No. ROW-309
State Project U-4412
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**Preliminary Site Assessment Report
Schulhofer’s, Inc. Property Parcel #31 – Pathway Investigation
Waynesville, Haywood County, North Carolina
H&H Project ROW-309**

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1.0 Introduction

Hart & Hickman, PC (H&H) has prepared this Preliminary Site Assessment (PSA) report documenting assessment activities performed at the Schulhofer's, Inc. property (Parcel #31) located at 816 Howell Mill Road in Waynesville, Haywood County, North Carolina. This assessment was conducted on behalf of the North Carolina Department of Transportation (NC DOT) in accordance with H&H's April 30, 2010 proposal.

NC DOT is planning road improvements along Howell Mill Road on the northern portion of the Schulhofer's, Inc. property (State Project U-4412). Because property will be taken from the Town of Waynesville Recreation Center property located to the west of Schulhofer's, Inc. during road improvement activities, the southern portion of the Schulhofer's, Inc. property is being considered as a replacement property to be used as a Pathway area. Based on information provided by NC DOT, the Pathway area is a possible replacement of recreation lands under Section 6(f) 3 of the Land and Water Conservation Fund (LWCF). The preferred alternative requires the conversion of 0.6 acre of right of way and temporary easement from the Waynesville Recreation Center, a LWCF property. Section 6(f) 3 of the LWCF Act requires converted recreation lands to be replaced with land of equivalent value and usefulness. The purpose of this assessment was to determine the presence or absence of impacted soil and to estimate debris volumes in the proposed Pathway area at the subject property.

The Schulhofer's, Inc. property is used as a junk yard and recycling center. It was historically used as an auto salvage yard and for waste incineration. The incinerator was not located in the proposed Pathway area. A site location map is included as Figure 1, and a site map is presented as Figure 2. The NC DOT preliminary plan of the Howell Mill Road widening area and the proposed Pathway area on Parcel 31 is attached as Appendix A.

H&H reviewed North Carolina Department of Environment and Natural Resources (DENR) files provided by NC DOT for the subject property. On September 7, 1990, HDR Engineering, Inc. (HDR) submitted a *Screening Site Investigation Report* to the DENR Superfund Section documenting the potential for environmental impacts at the subject site to assist DENR and the United States Environmental Protection Agency (US EPA) in determining if regulatory action was required under the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS).

Based on the *Screening Site Investigation Report*, the Schulhofer's, Inc. facility began operations in the early 1960's. The site was undeveloped farm land prior to 1960. A junk auto reclamation incinerator operated at the site between 1972 and 1978. In addition, approximately 72 tons of cellophane and other solid wastes from the manufacture of cellophane products were incinerated at the site between 1975 and 1978. The incinerator was partially torn down in 1980. In 1990, the Schulhofer's, Inc. facility was operating as an auto parts sales and metal recycling business. Historical waste generated at the site included ash from incineration of automobiles, cellophane, rubber, and old tires. According to the *Screening Site Investigation Report*, ash was removed from the incinerator during its operation and disposed at the Haywood County Landfill. Oil from auto motors was drummed for off site disposal. For the stated reason to prevent the potential for polychlorinated biphenyls (PCB) contamination, Schulhofer's, Inc. reportedly limited their acceptance of used appliances to those that did not have motors.

Based on these findings and because there were no known disposal of hazardous waste on-site, on February 25, 1991, DENR submitted a *Phase I, Screening Site Investigation* letter to the US EPA recommending that a Phase II Screening Site Investigation not be performed at the Schulhofer's, Inc. property. In a DENR Memorandum dated April 30, 1997, DENR recommended that the site be transferred from the Inactive Hazardous Sites "Pending" category to the "No Further Action" category. The HDR *Screening Site Investigation Report* and DENR correspondence are included in Appendix B.

As mentioned above the Schulhofer's, Inc. property currently operates as a junk yard and recycling center. Prior to conducting PSA activities in the Pathway Investigation area, H&H conducted PSA

activities in the proposed DOT right of way and construction easement area related to the widening of Howell Mill Road on the northern portion of the property. During previous PSA activities, H&H observed multiple waste types (solid waste, used tires, metals, cellophane, plastics, etc.) visible on the surface in proposed Pathway area. PSA activities recently conducted in the proposed Pathway investigation area by H&H at the Schulhofer's, Inc. property are discussed below.

2.0 Site Assessment

Soil Assessment Field Activities

H&H mobilized to the Schulhofer's, Inc. property on September 21, 2010 to collect soil samples at various locations within the proposed Pathway investigation area. Soil samples were collected from test pits using a mini-excavator. H&H contracted with EVO Corporation (EVO) of Winston-Salem, North Carolina to excavate test pits using the mini excavator. No samples were collected by H&H outside of the proposed Pathway area.

Prior to conducting soil test pits, utilities were marked by NC One Call. Test pits (P-TP-1 through P-TP-5) were excavated to total depths of 6 ft below ground surface (bgs). To facilitate the selection of soil samples for laboratory analysis, 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. Based on OVA readings, there were no strong indications of impacts in soil test pits P-TP-1 through P-TP-5.

Surface samples (0 to 1 ft), containing a mixture of surface waste and soil, were collected from each test pit location to characterize the surface waste/soil. One soil sample was also collected from native soils beneath the surface from each test pit location for laboratory analysis. Soil samples were collected at various depths ranging from 0 ft to 1 ft bgs to 2 ft to 4 ft bgs.

Test pit locations were excavated near potential environmental concerns such as partially burned cellophane, black ash material, debris piles, and other suspected source areas. The test pit

locations were biased towards potential contamination with one additional test pit to target special debris/waste piles. Test pit logs are included in Appendix C.

H&H submitted a total of five surface waste/soil samples collected from test pits (P-TP-1 through P-TP-5) at depths of 0 to 1 ft bgs for laboratory analysis. A total of five soil samples collected at various depths ranging from 1 ft to 2 ft to 2 ft to 4 ft from the native soils at each of the sample locations mentioned above were also submitted for laboratory analysis. Soil samples were collected using a nitrile glove-covered hand and placed into laboratory-supplied sample containers and then labeled as to content, analyses requested, sample date and time, and sampler's name. The samples were placed in an iced cooler upon collection and were subsequently submitted to Prism Laboratories, Inc. under chain-of-custody protocol.

To characterize the surface waste and soil, samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) volatile organic compounds (VOCs) using EPA Method 8260B, TCLP semi-VOCs using EPA Method 8270D, TCLP RCRA Metals using EPA Method 7470A/6010C, and for PCBs by EPA Method 8082A. In addition, one surface waste/soil sample (P-TP-3) was analyzed for dioxins and furans using EPA Method 8290.

Soil samples (collected from native soils beneath surface waste) were analyzed for VOCs using EPA Method 8260B, semi-VOCs using EPA Method 8270D, RCRA Metals by EPA Method 6010C/7471B, and for PCBs by EPA Method 8082A. Select soil samples were also analyzed for total petroleum hydrocarbons (TPH) as gasoline-range (GRO) and diesel-range (DRO) organics using EPA Method 8015C and oil and grease (O&G) using EPA Method 9071B. Sample depths and analytical results are summarized in Table 1. Dioxin and furan results are presented in Table 2. Laboratory analytical data sheets for the Schulhofer's Inc. soil samples and chain-of-custody documentation for this site are provided in Appendix D. The analytical results are discussed below.

During sampling, the bucket of the mini-excavator was decontaminated using a steam pressure washer. Water generated during decontamination procedures was containerized in a 55-gallon drum and was properly disposed as a non-hazardous waste at a permitted facility. Analytical

results of the water drum are included in the laboratory report in Appendix D. The certificate of disposal for the water drum is included in Appendix E.

After sampling, each test pit was backfilled with soil excavated from that test pit with soil being replaced at the same depths as excavated.

3.0 Analytical Results

3.1 Surface Waste/Soil

Target analytes were detected in the five surface waste/soil samples collected from the Pathway investigation area. Surface waste was defined to be ash and small debris particles situated below debris piles and beginning at the land surface. While TCLP VOCs and TCLP semi-VOCs were not detected in surface/waste samples, PCBs, heavy metals, and dioxins and furans were detected. Concentrations of specific PCB aroclors (ranging from 0.20 mg/kg to 0.31 mg/kg) were detected in surface waste/soil samples P-TP-3 and P-TP-4 below potential screening levels. Concentrations of PCB aroclors (ranging from 0.75 mg/kg to 1.8 mg/kg) detected in soil samples P-TP-1 and P-TP-2 exceeded the EPA Industrial SSLs. Concentrations of total PCBs (2.55 mg/kg and 1.6 mg/kg) detected in surface waste/soil samples P-TP-1 and P-TP-2, respectively, were above the DENR Health-Based Soil Remediation Goal (SRG) (1.0 mg/kg) and the DENR Protection of Groundwater (POG) SRG (0.14 mg/kg). Concentrations of total PCBs (0.50 mg/kg and 0.82 mg/kg) detected in surface waste/soil samples P-TP-3 and P-TP-4, respectively, were above the POGSRG.

Metals were also detected in surface waste/shallow surface samples. A concentration of TCLP lead (5.3 mg/L) was detected in surface waste/soil sample P-TP-4 above the RCRA hazardous waste characteristic level (5 mg/L) for lead. Concentrations of TCLP lead (ranging from 0.23 mg/L to 4.7 mg/L) were detected in surface waste/soil samples P-TP-2, P-TP-3, and P-TP-5 below the RCRA characteristic level for lead. Concentrations of TCLP cadmium (ranging from 0.044 mg/L to 0.41 mg/L) were also detected in surface waste/soil samples P-TP-1, P-TP-2, P-TP-3, and P-TP-4 below the RCRA characteristic level for cadmium. The low level TCLP lead and cadmium detections are indicative of metal contamination in surface soil. Although total metals were not analyzed for the surface samples, they are likely present at elevated levels.

Because of the former incinerator on the property, one sample was analyzed for dioxins and furans. Low level concentrations of dioxins and furans were detected in surface waste/soil sample P-TP-3. The dioxin and furan 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-tetrachlorodibenzo-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. The 2,3,7,8-TCDD equivalence (1.85×10^{-1} $\mu\text{g}/\text{kg}$) detected in soil sample P-TP-3 exceeds the POGSRG.

3.2 Underlying Soil

Target compounds were detected in non-surface soil samples (ie., soil samples collected below 1 ft). Low levels of PCBs, the VOC acetone, and semi-VOCs were detected. A concentration of one PCB aroclor (0.94 mg/kg) detected in soil sample P-TP-4 (1 to 2 ft) was above the EPA Industrial SSL. The total PCB concentration (1.41 mg/kg) detected in P-TP-4 (1 to 2 ft) was above the health-based SRG and POGSRG. Concentrations of acetone (0.042 mg/kg and 0.064 mg/kg) were detected in soil samples P-TP-2 (1 to 2 ft) and P-TP-5 (1 to 2 ft) below potential target screening levels. The acetone detections are likely an artifact of laboratory introduced contamination or generation of acetone due to the use of sample preservatives. A concentration of bis(2-ethylhexyl)phthalate (17 mg/kg) was detected in soil sample P-TP-4 (1 to 2 ft) above the POGSRG. A low concentration of di-n-butyl phthalate (3.4 mg/kg) was also detected in soil sample P-TP-4 (1 to 2 ft). No screening levels are established for di-n-butyl phthalate.

In addition, heavy metals were detected in shallow soil samples. Certain metals appear to be present at naturally occurring concentrations. However, cadmium, lead, and barium detections in P-TP-4 (1 to 2 ft) appear to be elevated and above target levels. Metal concentrations are discussed further below.

Low concentrations of arsenic (0.9 mg/kg and 1.4 mg/kg) were detected in soil samples P-TP-2 (1 to 2 ft) and P-TP-5 (1 to 2 ft) below potential screening levels. A concentration of arsenic (6.0 mg/kg) detected in sample P-TP-4 (1 to 2 ft) was slightly above the health-based SRG, POGSRG, and the EPA Regional Industrial SSL. Based on the average background value (4.8 mg/kg) for arsenic in North Carolina (NC) soils taken from *Elements in North American Soils* by Dragun and Chekiri, 2005, the detected arsenic concentrations are within background levels.

A concentration of barium (1,900 mg/kg) was detected in soil sample P-TP-4 (1 to 2 ft) above the POGSRG. Low concentrations of barium (ranging from 44 mg/kg to 140 mg/kg) were detected in soil samples P-TP-1 (1 to 2 ft), P-TP-2 (1 to 2 ft), P-TP-3 (2 to 4 ft), and P-TP-5 (1 to 2 ft) below potential target screening levels. A concentration of cadmium (16 mg/kg) was detected in soil sample P-TP-4 (1 to 2 ft) above the health-based SRG and POGSRG. Low concentrations of cadmium (ranging from 1.2 mg/kg to 1.5 mg/kg) were detected in soil samples P-TP-1 (1 to 2 ft), P-TP-2 (1 to 2 ft), P-TP-3 (2 to 4 ft), and P-TP-5 (1 to 2 ft) below potential target screening levels. Low concentrations of chromium (ranging from 39 mg/kg to 77 mg/kg) were detected in each underlying soil sample collected at the site above the health-based SRG, POGSRG, and the EPA Industrial SSL. Based on the average background value (65 mg/kg) for chromium in NC soils, the detected chromium concentrations are within background levels.

A concentration of lead (1,300 mg/kg) was detected in soil sample P-TP-4 (1 to 2 ft) above the health-based SRG, POGSRG, and the EPA Industrial SSL. Low concentrations of lead (ranging from 12 mg/kg to 17 mg/kg) were also detected in soil samples P-TP-1 (1 to 2 ft), P-TP-2 (1 to 2 ft), P-TP-3 (2 to 4 ft), and P-TP-5 (1 to 2 ft) below potential target screening levels. Low concentrations of mercury (ranging from 0.13 mg/kg to 0.5 mg/kg) were detected in soil samples P-TP-1 (1 to 2 ft), P-TP-3 (2 to 4 ft), P-TP-4 (1 to 2 ft), and P-TP-5 (1 to 2 ft) below potential target screening levels. Based on the average background value (0.121 mg/kg) for mercury in NC soils, the detected mercury concentrations are within background levels.

3.3 Impacted Surface Waste/Soil Volume

Based on laboratory analytical results, surface waste/soils impacted with PCBs, lead, and other compounds are present on the Schulhofer's, Inc. property within the proposed Pathway area. PCBs and lead are the most widespread constituents in the Pathway area. Impacted surface waste/soil volumes are described below.

PCBs

Based on the limited analytical results for PCBs, H&H estimates that there are roughly 1,100 cubic yards (1,700 tons) of PCB impacted surface waste/soil between the surface and 1 ft near test pits P-TP-1, P-TP-2, and P-TP-3. A portion of these PCB impacted soils also contain elevated cadmium, lead, and dioxins and furans. In addition, H&H estimates that there are roughly 800 cubic yards (1,200 tons) of PCB impacted surface waste/soil between the surface and 3 ft in the proposed Pathway area near test pit P-TP-4. A portion of these PCB impacted soils also contain elevated barium, cadmium, lead, and bis(2-ethylhexyl)phthalate. The shallow lead impacted soils coincident with PCB impacted soil near test pit P-TP-4 are above the RCRA hazardous waste characteristic level for lead (see below). Household debris, scrap metal, plastic, used tires, electrical wires and insulators, partially burned cellophane, and black ash material were observed near and above the surface in these areas. Ash was included in the surface waste/soil samples collected from test pits P-TP-3 and P-TP-4. The approximate extent of PCB impacted surface waste/soil is shown on Figure 3.

Lead

Based on analytical results, H&H estimates there are roughly 375 cubic yards (560 tons) of lead impacted soil qualifying as characteristically hazardous waste (if removed) between the surface and 2 ft in the northern portion of the proposed Pathway area on the Schulhofer's, Inc. property. As mentioned above, the lead impacted soil is coincident with the PCB impacted soil area near test pit P-TP-4. In addition, H&H estimates that there are roughly 1,800 cubic yards (2,700 tons) of lead impacted soil qualifying as non-hazardous waste (if removed) between the surface and 2 ft near test pits P-TP-2, P-TP-3, and P-TP-5. These lead impacts are inferred based on TCLP lead detections in

surface/waste soil samples P-TP-2, P-TP-3, and P-TP-5. The approximate extent of lead impacted surface soil is shown on Figure 4.

Total Amount of Impacted Soil

Based on the limited analytical results, PCB and lead impacts are present in shallow soil at various depths up to 2 ft and 3 ft bgs throughout the Pathway area. Soils with lead impacts are mostly coincident with the PCB impacted soil. H&H estimates the total amount of impacted soil in the Pathway area is roughly 2,800 cubic yards (4,200 tons).

Additional sampling would be necessary to better estimate the impacted soil areas and amounts. Additional characterization of soils and surface waste should be completed prior to excavation activities at the site.

4.0 Debris Area Volumes

During PSA field activities, H&H documented the location of distinct debris waste areas on the Schulhofer's, Inc. property. Debris areas were located using a GPS unit. Descriptions of the debris waste areas and rough estimates of the solid waste volumes are discussed below. Debris area locations are shown on Figure 5.

Area 1

Area 1 is approximately 14,000 sq. ft of sparsely scattered debris including scrap metal, household debris, concrete, electrical wires, and tires. Test pits P-TP-1 and P-TP-2 were excavated near this area. H&H estimates that there are 10 cubic yards of debris in this area.

Area 2

Household debris, scrap metal, concrete, electrical wires, cables, and automobile gas tanks were observed in Area 2 (see Photograph 1). Test pit P-TP-1 was excavated in this area. The approximate area of the debris is 3,500 sq. ft with an average height of 0.5 ft. H&H estimates that there are roughly 65 cubic yards of debris in Area 2.

Area 3

Household debris, scrap metal, concrete, electrical wires, crushed electrical insulators, and tires were observed in Area 3 (see Photograph 2). Black ash material was observed on the surface beneath this debris area. Test pit P-TP-2 was excavated in this area. The approximate area of the debris is 2,000 sq. ft with an average height of 1 ft. H&H estimates that there are roughly 75 cubic yards of debris and in Area 3.

Area 4

Minor household debris, concrete, scrap metal, and tires were observed in Area 4 (see Photograph 3). Black ash material was observed beneath this debris area. The approximate area of the debris is 1,000 sq. ft with an average height of 1 ft. H&H estimates that there are roughly 40 cubic yards of debris in Area 4.

Area 5

Household debris, scrap metal, concrete, tires, plastic, electrical wires and insulators, burned cellophane, and shattered glass were observed in Area 5 (see Photographs 4, 5, and 6). Black ash material was observed beneath this debris area. Test pits P-TP-3 and P-TP-4 were excavated in Area 5. The approximate area of the debris is 9,500 sq. ft with an average height of 1.25 ft. H&H estimates that there are roughly 440 cubic yards of debris in Area 5.

Area 6

Household debris, used tires, and construction debris (wood) were observed in Area 6 (see Photograph 7). The approximate area of the debris is 900 sq. ft with an average height of 1 ft. H&H estimates that there are roughly 35 cubic yards of debris in Area 6.

Area 7

Area 7 is approximately 9,000 sq. ft of sparsely scattered debris including scrap metal, household debris, and tires. Test pit P-TP-5 was excavated in this area near several discarded automobile gas tanks and scrap metal debris (see Photograph 8). H&H estimates that there are 10 cubic yards of debris in this area.

Based on the debris volumes calculated for each area noted above, H&H estimates there are roughly 675 cubic yards of solid waste debris in the proposed Pathway area on the Schulhofer's, Inc. property. Photographs are included in Appendix F.

5.0 Summary and Regulatory Considerations

H&H has reviewed DENR incident files and collected a total of 10 soil samples from the proposed Pathway Investigation area at the Schulhofer's, Inc. property. The property is used as a junk yard and recycling center. The property was historically used for an auto scrap yard and for waste incineration. The former waste incinerator was not located in the proposed Pathway area. According to DENR files, a site screening investigation was conducted at the subject property in 1990 to evaluate the potential for environmental impacts to assist DENR and the US EPA in determining if regulatory action was required at the site under CERCLIS. Based on the site screening evaluation, DENR recommended no further action at the Schulhofer's, Inc. property in the late 1990s.

PCBs and Non-Hazardous Elevated Metals, SVOCs, and Dioxins and Furans

Analytical results of surface mixed waste/soil samples and non-surface soil samples collected by H&H indicate the presence of impacted soil at the site. Impacts exceed protection of ground water, health-based, and/or industrial screening levels. PCBs were detected in five of ten samples collected from this site. H&H estimates there are roughly 1,100 cubic yards (1,700 tons) of PCB impacted waste/soil between the surface and 1 ft near test pits P-TP-1, P-TP-2, and P-TP-3 and 800 cubic yards (1,200 tons) of PCB impacted waste/soil between the surface and 3 ft near test pit P-TP-4 in the proposed Pathway area based on the limited available data. A portion of the PCB impacted soils also contain elevated barium, cadmium, lead, bis(2-ethylhexyl)phthalate, and dioxins and furans.

Impacted soils will likely be disturbed during construction of the proposed Pathway and debris removal activities. Impacted soil that is disturbed and/or removed should be properly managed and disposed at a permitted facility. Due to the limited PCB sampling conducted to date, additional delineation of PCB impacted soils should be completed to better define the extent of impacts prior

to work activities at the site. Additional characterization of the soils and surface waste should also be completed prior to their removal from the site.

Soil with Lead Impacts Above Hazardous Waste Threshold and Inferred Non-Hazardous Lead Impacts

Analytical results indicate TCLP lead at a concentration above the RCRA characteristically hazardous waste threshold in one surface waste/soil sample collected in the proposed Pathway area. H&H estimates there are roughly 375 cubic yards (560 tons) of lead impacted soil above the hazardous waste threshold (if removed) between the surface and 2 ft in the northern portion of the Pathway area on the Schulhofer's, Inc. property. In addition, H&H estimates that there are roughly 1,800 cubic yards (2,700 tons) of lead impacted soil qualifying non-hazardous waste (if removed) between the surface and 2 ft near test pits P-TP-2, P-TP-3, and P-TP-5.

Impacted soils may be disturbed in this area during construction of the proposed Pathway. Impacted soil above the RCRA characteristically hazardous waste threshold that is disturbed and/or removed from this area should be properly managed and disposed at a RCRA permitted facility. Non-hazardous lead impacted soil that is disturbed and/or removed should be properly managed and disposed at a permitted facility. Due to the limited sampling conducted to date, additional delineation of TCLP lead and total lead impacted soils should be completed to better define the extent of impacts prior to work activities at the site.

Based on the limited analytical results, PCB and lead impacts are present in shallow soil at various depths up to 2 ft bgs and 3 ft bgs throughout the Pathway area. Soils with lead impacts are mostly coincident with the PCB impacted soil. H&H estimates the total amount of impacted soil in the Pathway area is roughly 2,800 cubic yards (4,200 tons).

Surface Solid Waste and Debris

H&H documented the location of debris waste piles and scattered debris in the proposed Pathway area on the Schulhofer's, Inc. property. Household debris, construction debris, scrap metal, concrete, used tires, electrical wires, cables, electrical insulators, partially burned cellophane, etc. were observed in debris piles scattered across the proposed Pathway area. H&H

estimates there are roughly 675 cubic yards of debris in the proposed Pathway area on the Schulhofer's, Inc. property. H&H recommends that the solid waste debris be removed and properly disposed.

6.0 Signature Page

This report was prepared by:

A handwritten signature in black ink, appearing to read 'D. Graham', written over a horizontal line.

David Graham
Senior Project Geologist for
Hart and Hickman, PC

This report was reviewed by:

A handwritten signature in black ink, appearing to read 'Matt Bramblett', written over a horizontal line.

Matt Bramblett, PE
Principal and Project Manager for
Hart and Hickman, PC

Table 1
Soil Analytical Results
Schulhofer's, Inc. Property
Pathway Investigation
Waynesville, North Carolina
H&H Job No. ROW-309

Sample ID Sample Depth (ft) Sample Date	P-TP-1		P-TP-2		P-TP-3		P-TP-4		P-TP-5		Regulatory Standard				
	0-1 9/21/2010	1-2 9/21/2010	0-1 9/21/2010	1-2 9/21/2010	0-1 9/21/2010	2-4 9/21/2010	0-1 9/21/2010	1-2 9/21/2010	0-1 9/21/2010	1-2 9/21/2010					
TCLP (mg/L) VOCs (8260B) SVOCs (8270D) RCRA Metals (7470A/6010C) Cadmium Lead	BRL BRL 0.044 <0.050	NA NA NA NA	BRL BRL 0.3 2.0	NA NA NA NA	BRL BRL 0.32 4.7	NA NA NA NA	BRL BRL 0.41 5.3	NA NA NA NA	BRL BRL <0.025 0.23	NA NA NA NA	RCRA Characteristic Level (mg/L) Varies Varies 1.0 5.0				
PCBs (8082A) (mg/kg) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs	<0.05 <0.10 <0.10 <0.05 <0.05 0.75 1.8 2.55	<0.05 <0.10 <0.10 <0.05 <0.05 <0.05 <0.05 BRL	<1.0 <2.0 <2.0 <1.0 <1.0 1.6 <1.0 1.6	<0.050 <0.099 <0.099 <0.050 <0.050 <0.050 <0.050 BRL	<0.049 <0.099 <0.099 <0.049 <0.049 0.23 0.27 0.50	<0.050 <0.099 <0.099 <0.050 <0.050 <0.050 <0.050 BRL	<0.049 <0.099 <0.099 0.20 <0.049 0.31 0.31 0.82	<0.050 <0.099 <0.099 <0.050 <0.050 0.47 0.94 1.41	<0.050 <0.099 <0.099 <0.050 <0.050 <0.050 <0.050 BRL	<0.049 <0.099 <0.099 <0.049 <0.049 <0.049 <0.049 BRL	IHSB SRG ¹ (mg/kg) -- -- -- -- -- -- -- 1	IHSB POG ² (mg/kg) -- -- -- -- -- -- -- 0.14	EPA Industrial Soil SSL ³ (mg/kg) 21 0.54 0.54 0.74 0.74 0.74 0.74 --		
VOCs (8260B) (mg/kg) Acetone	NA	<0.039	NA	0.042	NA	<0.042	NA	<0.045	NA	0.064	IHSB SRG (mg/kg) 12,000	IHSB POG (mg/kg) 24	EPA Industrial Soil SSL (mg/kg) 630,000		
SVOCs (8270D)(mg/kg) Bis(2-Ethylhexyl)phthalate Di-n-butyl phthalate	NA NA	<0.41 <0.41	NA NA	<0.37 <0.37	NA NA	<0.40 <0.40	NA NA	17 3.4	NA NA	<0.40 <0.40	IHSB SRG (mg/kg) 35 NE	IHSB POG (mg/kg) 7.2 NE	EPA Industrial Soil SSL (mg/kg) 120 NE		
RCRA Metals (6010C/7471B) (mg/kg) Arsenic Barium Cadmium Chromium Lead Mercury	NA NA NA NA NA NA	<0.61 51 1.3 77 14 0.13	NA NA NA NA NA NA	0.9 140 1.2 39 12 <0.024	NA NA NA NA NA NA	<0.60 44 1.5 53 17 0.14	NA NA NA NA NA NA	6.0 1,900 16 75 1,300 0.5	NA NA NA NA NA NA	1.4 90 1.2 58 17 0.13	IHSB SRG (mg/kg) 4.4 3,100 14 0.29 400 4.7	IHSB POG (mg/kg) 5.8 580 3.0 3.8 270 1	EPA Industrial Soil SSL (mg/kg) 1.6 190,000 800 5.6 800 310	Range ⁴ (mg/kg) 1.0-18 50-1,000 1.0-10.0* 7.0-300 ND - 50 0.030-0.52	Mean ⁴ (mg/kg) 4.8 356 4.3* 65 16 0.121
TPH-DRO/GRO (8015C) (mg/kg) Diesel-Range Organics (DRO) Gasoline-Range Organics (GRO)	NA NA	<8.7 <4.2	NA NA	NA NA	NA NA	<8.4 <4.4	NA NA	NA NA	NA NA	<8.5 <4.5	NCDENR Action Level (mg/kg) 40 10				
Oil & Grease (9071B) (mg/kg)	NA	<50	NA	NA	NA	<48	NA	NA	NA	<49	NCDENR Action Level (mg/kg) 250				

Notes:

1. NC DENR Inactive Hazardous Sites Branch (IHSB) Health Based Soil Remediation Goals (SRGs) - October 2010
2. NC DENR IHSB Protection of Groundwater Soil Remediation Goals - October 2010
3. EPA Regional Industrial SSL - May 2010
4. Range and Mean values for North Carolina soils taken from *Elements in North American Soils* by Dragun and Chekiri, 2005

* Range and Mean values for Southeastern USA soils

EPA Method follows parameter in parenthesis; NA= Not analyzed

BRL=Below laboratory reporting limit; NE=not established; VOCs=volatile organic compounds;SVOCs=semi-volatile organic compounds; TPH=total petroleum hydrocarbons

Bold indicates concentration above potential target level (and background levels in the case of metals).

Surface samples (0-1 ft) generally contained mixture of surface waste and soil.

Table 2
Soil Analytical Results (Dioxins and Furans)
Schulhofer's, Inc. Property
Pathway Investigation
Waynesville, North Carolina
H&H Job No. ROW-309

Sample ID Depth (ft) Date Collected	P-TP-3		
	0-1		
	9/21/2010		
	Concentration (µg/kg)	WHO 2005 TEF ⁽¹⁾	TEF-Adjusted Concentration (µg/kg)
<u>Dioxins (8290)</u>			
2,3,7,8-TCDD	6.68E-03	1.0	6.68E-03
1,2,3,7,8-PeCDD	2.29E-02	1.0	2.29E-02
1,2,3,4,7,8-HxCDD	3.37E-02	0.1	3.37E-03
1,2,3,6,7,8-HxCDD	6.58E-02	0.1	6.58E-03
1,2,3,7,8,9-HxCDD	5.24E-02	0.1	5.24E-03
1,2,3,4,6,7,8-HpCDD	1.31E+00	0.01	1.31E-02
OCDD	1.01E+01 E	0.0003	3.03E-03
<u>Furans (8290)</u>			
2,3,7,8-TCDF	7.94E-02	0.1	7.94E-03
1,2,3,7,8-PeCDF	8.33E-02	0.03	2.50E-03
2,3,4,7,8-PeCDF	1.60E-01	0.3	4.80E-02
1,2,3,4,7,8-HxCDF	1.97E-01	0.1	1.97E-02
1,2,3,6,7,8-HxCDF	1.39E-01	0.1	1.39E-02
1,2,3,7,8,9-HxCDF	4.95E-02	0.1	4.95E-03
2,3,4,6,7,8-HxCDF	1.99E-01	0.1	1.99E-02
1,2,3,4,6,7,8-HpCDF	6.58E-01	0.01	6.58E-03
1,2,3,4,7,8,9-HpCDF	7.77E-02	0.01	7.77E-04
OCDF	5.95E-01	0.0003	1.79E-04
2,3,7,8-TCDD Equivalence			0.185325
Inactive Hazardous Sites SRG ⁽²⁾			1.0
Inactive Hazardous Sites POG ⁽³⁾			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*)

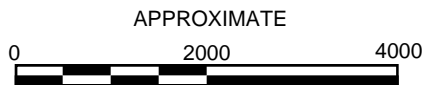
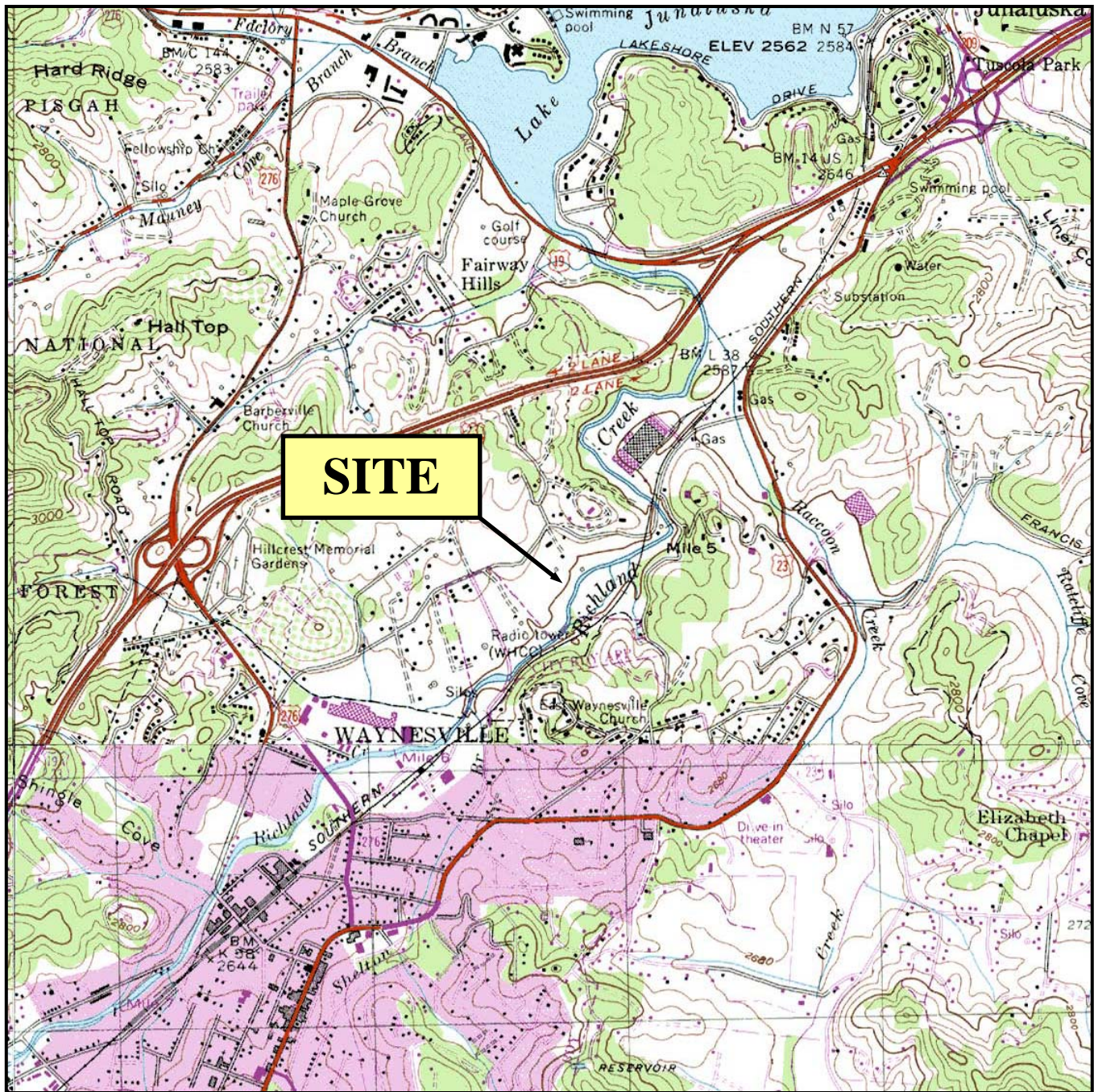
(2) NC DENR Inactive Hazardous Sites Branch (IHSB) Soil Remediation Goals (SRGs) using Toxic Equivalent Factors for Dioxins and Furans - October 2010

(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

E = Indicates estimated concentration above the instrument calibration range.

Bold indicates concentration exceeds IHSB POG

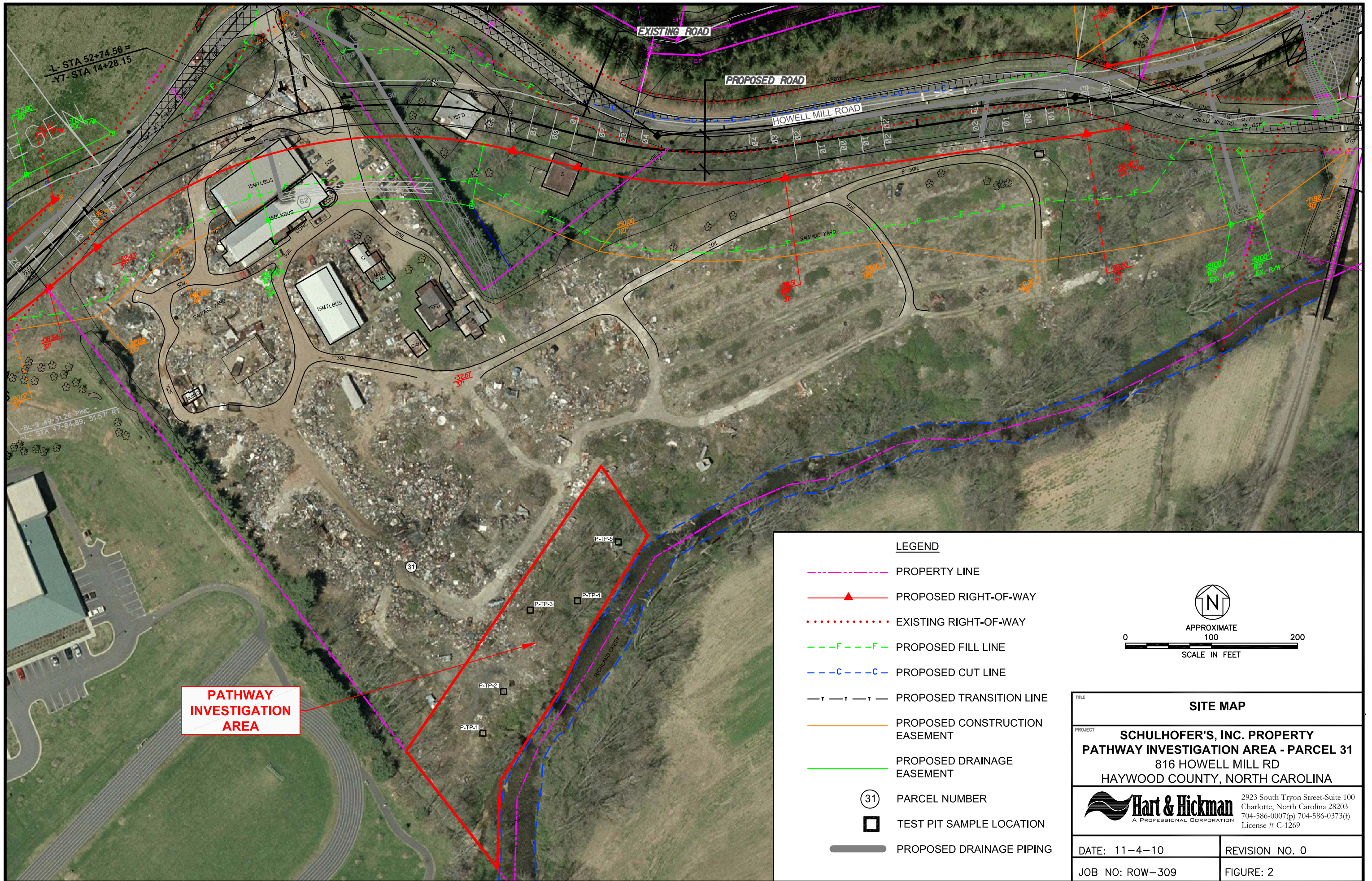


SCALE IN FEET
U.S.G.S. QUADRANGLE MAP

CLYDE, NC 1967 (PHOTOREVISED 1978)

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

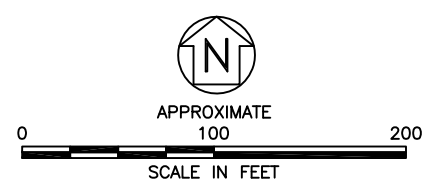
TITLE	SITE LOCATION MAP		
PROJECT	SCHULHOFER'S, INC. PROPERTY PATHWAY INVESTIGATION AREA - PARCEL 31 816 HOWELL MILL RD. HAYWOOD COUNTY, NORTH CAROLINA		
 2923 South Tryon Street-Suite 10C Charlotte, North Carolina 28203 704-586-0007 (p) 704-586-0373 (f)			
DATE:	07-12-10	REVISION NO:	0
JOB NO:	ROW-309	FIGURE NO:	1



**PATHWAY
INVESTIGATION
AREA**

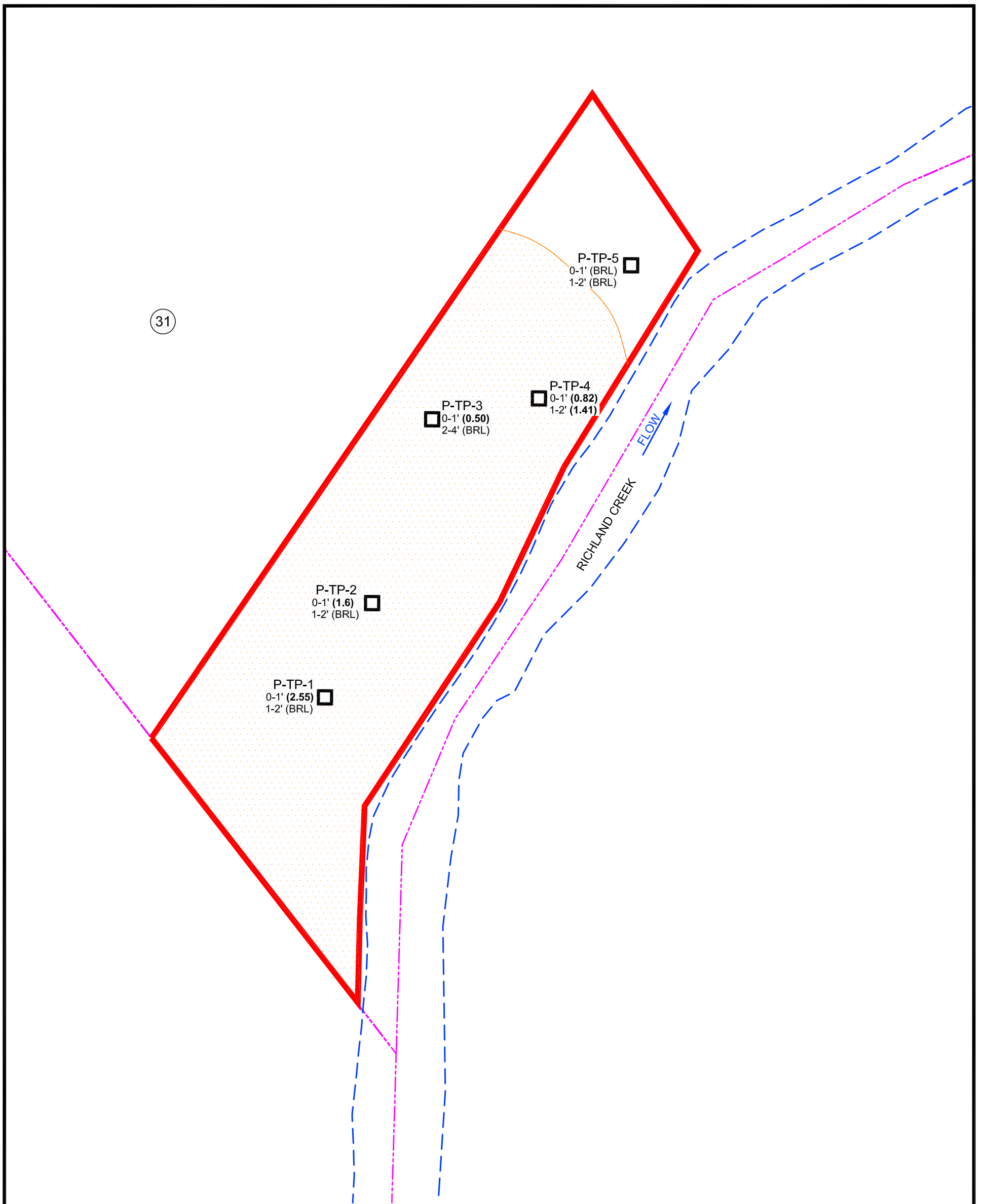
LEGEND

- - - PROPERTY LINE
- ▲— PROPOSED RIGHT-OF-WAY
- · · · · EXISTING RIGHT-OF-WAY
- - F - - F - - PROPOSED FILL LINE
- - C - - C - - PROPOSED CUT LINE
- - T - - T - - PROPOSED TRANSITION LINE
- — — — — PROPOSED CONSTRUCTION EASEMENT
- — — — — PROPOSED DRAINAGE EASEMENT
- 31 PARCEL NUMBER
- TEST PIT SAMPLE LOCATION
- — — — — PROPOSED DRAINAGE PIPING








TITLE	
SITE MAP	
PROJECT	
SCHULHOFER'S, INC. PROPERTY PATHWAY INVESTIGATION AREA - PARCEL 31 816 HOWELL MILL RD HAYWOOD COUNTY, NORTH CAROLINA	
DATE: 11-4-10	
REVISION NO. 0	
JOB NO: ROW-309	FIGURE: 2

Hart & Hickman
A PROFESSIONAL CORPORATION
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269



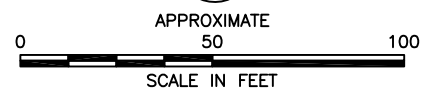
LEGEND


-  PROPERTY LINE
-  PATHWAY INVESTIGATION AREA
- (2.55) TOTAL PCB CONCENTRATION (mg/kg)
-  PCB IMPACTED SOIL AREA ABOVE TARGET SCREENING LEVELS
-  PARCEL NUMBER
-  TEST PIT SAMPLE LOCATION

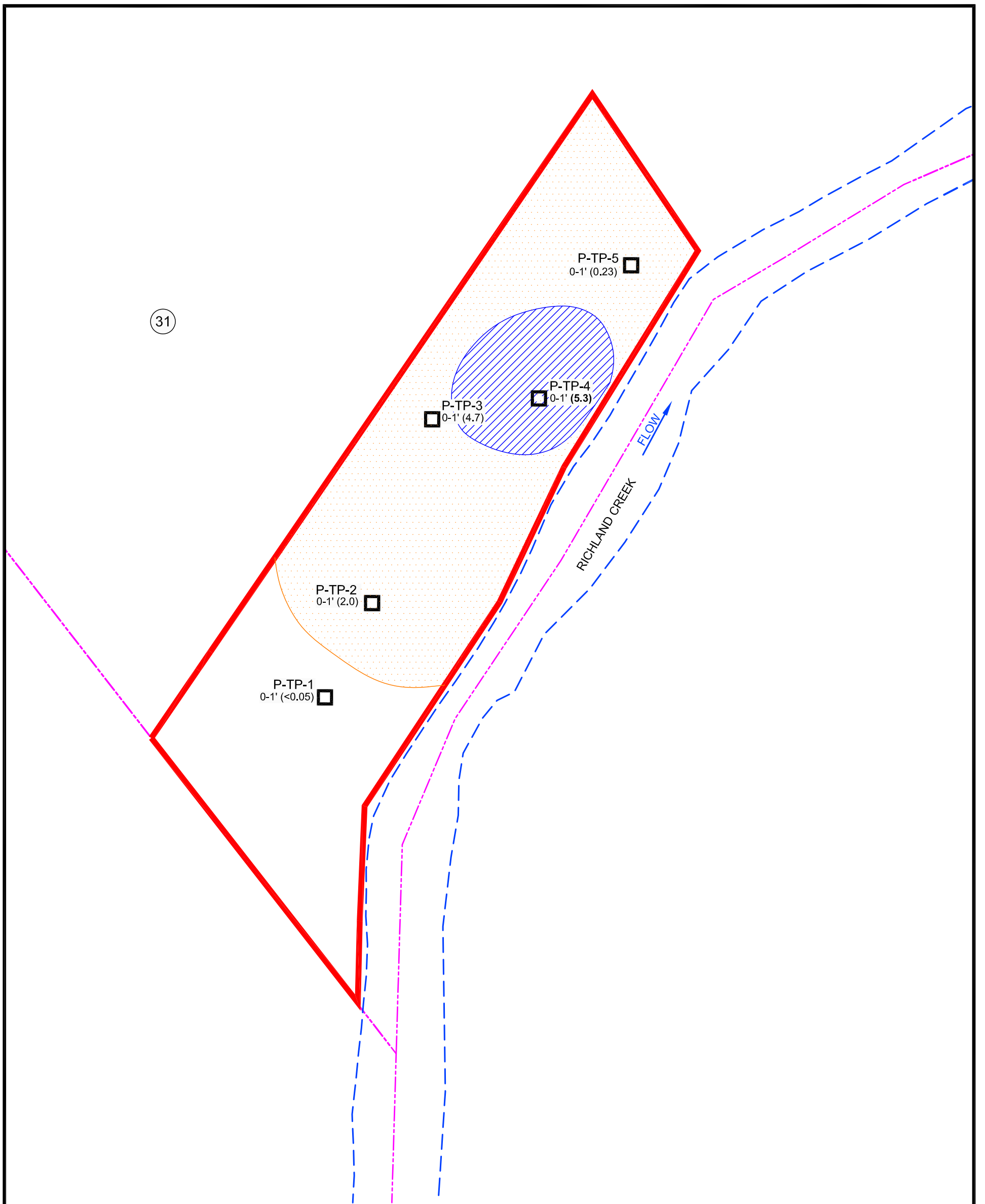
NOTES:

BOLD CONCENTRATION INDICATES EXCEEDANCE OF TARGET SCREENING LEVEL



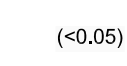

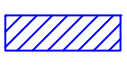


BRL = BELOW REPORTING LIMIT



TITLE PCB DETECTIONS	
PROJECT SCHULHOFER'S, INC. PROPERTY PATHWAY INVESTIGATION AREA - PARCEL 31 816 HOWELL MILL RD HAYWOOD COUNTY, NORTH CAROLINA	
 2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007(p) 704-586-0373(f) License # C-1269	
DATE: 11-4-10	REVISION NO. 0
JOB NO: ROW-309	FIGURE: 3

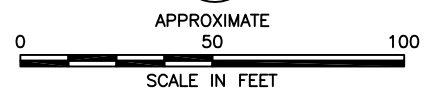



LEGEND

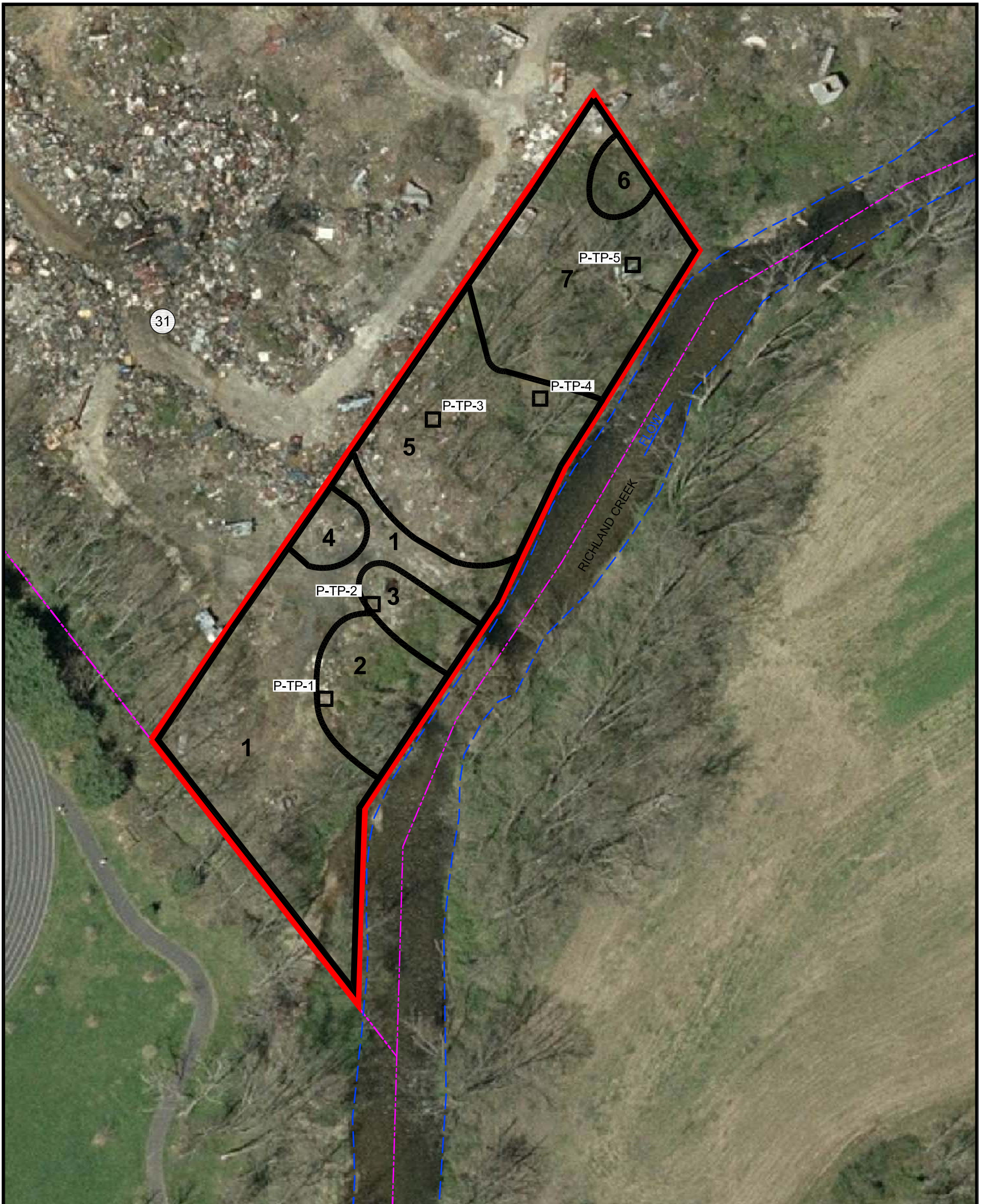
-  PROPERTY LINE
-  PATHWAY INVESTIGATION AREA
-  (<0.05) TCLP LEAD CONCENTRATION (mg/L)
-  SUSPECTED AREA OF LEAD IMPACTED SHALLOW SOIL
-  SURFACE SOIL CHARACTERISTICALLY HAZARDOUS FOR LEAD
-  31 PARCEL NUMBER
-  TEST PIT SAMPLE LOCATION

NOTES:

BOLD CONCENTRATION INDICATES EXCEEDANCE OF RCRA CHARACTERISTIC SCREENING LEVEL

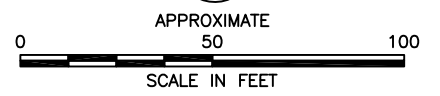


TCLP LEAD DETECTIONS	
PROJECT SCHULHOFER'S, INC. PROPERTY PATHWAY INVESTIGATION AREA - PARCEL 31 816 HOWELL MILL RD HAYWOOD COUNTY, NORTH CAROLINA	
 2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007(p) 704-586-0373(f) License # C-1269	
DATE: 11-4-10	REVISION NO. 0
JOB NO: ROW-309	FIGURE: 4



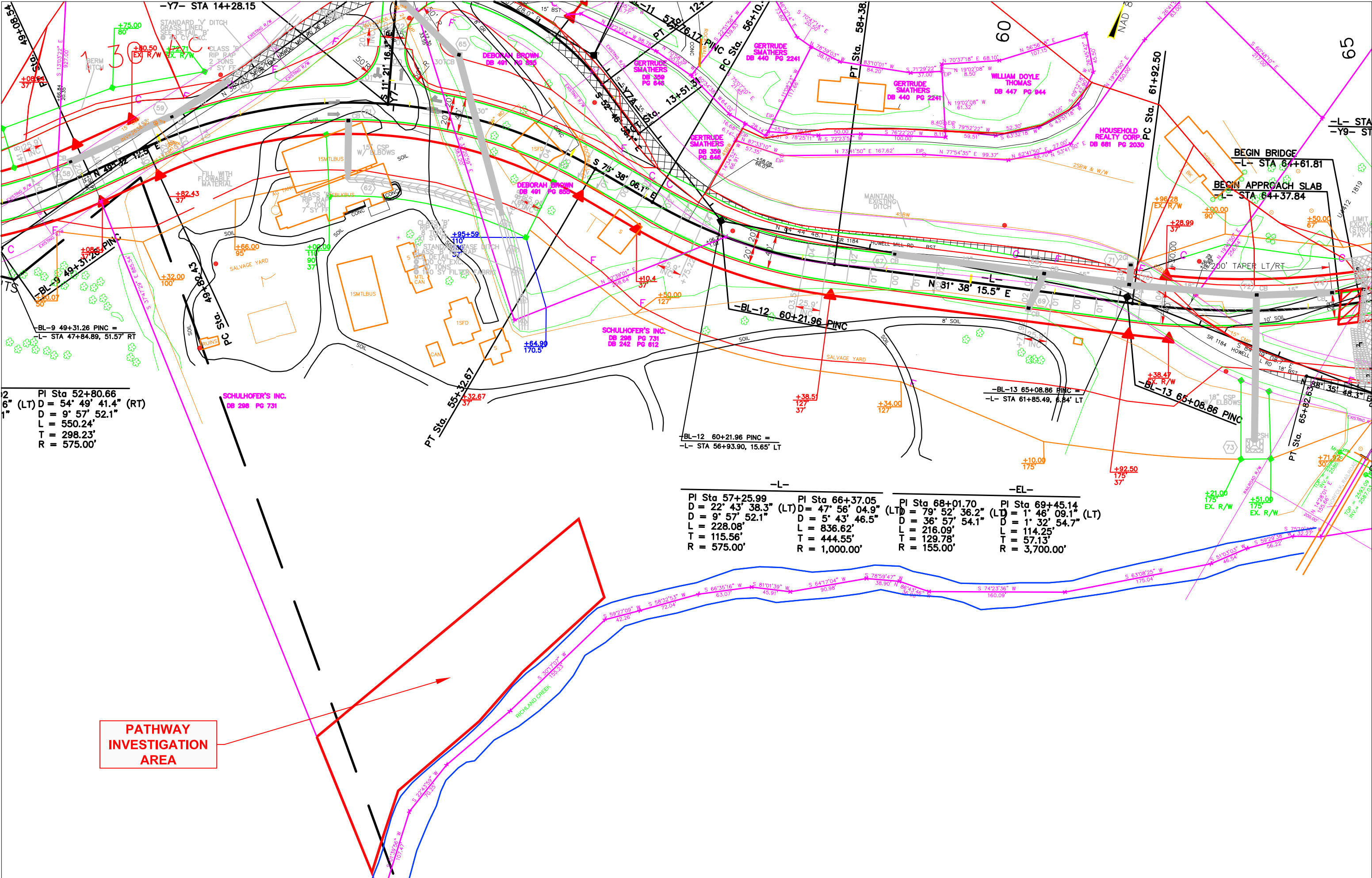
LEGEND

- - - PROPERTY LINE
- PATHWAY INVESTIGATION AREA
- 31 PARCEL NUMBER
- TEST PIT SAMPLE LOCATION
- 4** DEBRIS AREA NUMBER
- APPROXIMATE LIMITS OF DEBRIS AREA



<small>TITLE</small>	DEBRIS AREAS	
<small>PROJECT</small>	SCHULHOFER'S, INC. PROPERTY PATHWAY INVESTIGATION AREA - PARCEL 31 816 HOWELL MILL RD HAYWOOD COUNTY, NORTH CAROLINA	
	Hart & Hickman <small>A PROFESSIONAL CORPORATION</small>	2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007(p) 704-586-0373(f) License # C-1269
<small>DATE:</small>	11-4-10	<small>REVISION NO.</small> 0
<small>JOB NO:</small>	ROW-309	<small>FIGURE:</small> 5

Appendix A
NC DOT Preliminary Plan



2 PI Sta 52+80.66
 6" (LT) D = 54' 49' 41.4" (RT)
 1" D = 9' 57' 52.1"
 L = 550.24'
 T = 298.23'
 R = 575.00'

SCHULHOFER'S INC.
DB 298 PG 731

PT Sta. 55+32.67

-BL-12 60+21.96 PINC =
-L- STA 56+93.90, 15.65' LT

-L-		-EL-	
PI Sta 57+25.99	PI Sta 66+37.05	PI Sta 68+01.70	PI Sta 69+45.14
D = 22' 43' 38.3" (LT)	D = 47' 56' 04.9" (LT)	D = 79' 52' 36.2" (LT)	D = 1' 46' 09.1" (LT)
L = 228.08'	L = 836.62'	L = 216.09'	L = 114.25'
T = 115.56'	T = 444.55'	T = 129.78'	T = 57.13'
R = 575.00'	R = 1,000.00'	R = 155.00'	R = 3,700.00'

PATHWAY INVESTIGATION AREA

Appendix B

DENR Files

SCREENING SITE INVESTIGATION REPORT

Schulhofer's, Inc.
NCD 024 852 675
Waynesville, North Carolina

September 7, 1990

CERCLA

Prepared for:

Superfund Section
Solid Waste Management Division
North Carolina Department of Environment, Health, and Natural Resources

Prepared by:

HDR Engineering, Inc. of North Carolina
128 South Tryon Street
Charlotte, North Carolina

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EXECUTIVE SUMMARY

The Schulhofer's, Inc. site is located at Howell Mill Road on the northeast side of Waynesville.

The Schulhofer's, Inc. facility is an auto salvage yard. The facility began operation in early 1960's. Prior to 1960, the site area was an undeveloped farm land. The Schulhofer's, Inc. incinerator was built in 1972 for the purpose of incinerating junk autos for metal recovery. In 1978, increased oil costs made operation of the incinerator uneconomical for Schulhofer's, Inc. The incinerator was dismantled in 1980. Between 1975 and 1978, the facility was used to incinerate 72 tons of cellophane from Ecusta Paper and Film Group of Olin, Co. During its years of operation, from 1972 to 1978, the incinerator was cleaned out two or three times, resulting in a total of one to two dump truck loads of ash which was taken to the Haywood County landfill. This landfill is located at Francis Street of Waynesville, approximately one and one-half miles south of the Schulhofer's facility.

The Schulhofer's, Inc. facility is still running auto part sales and metal recycling business. The transmission oil from auto motors is placed in 55-gallon drums, and shipped off site for disposal. In order to prevent potential PCB contamination of the site, Schulhofer's limits their acceptance of used appliances to those that do not have motors (e.g. refrigerators, etc.)

There have been no reports or other investigation of the site.

1.0 INTRODUCTION

1.1 Study Objectives

A list of potential hazardous waste sites, known as the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), has been established by the United States Environmental Protection Agency (USEPA), in cooperation with the State of North Carolina (State). After a site is placed on this list, it must undergo one or more investigations to determine its priority status for remedial action by the USEPA.

The North Carolina Department of Environment, Health, and Natural Resources (NCDEHNR) has entered into a cooperative agreement under Section 104 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, Pub. L. 96-510, 94 Stat. 2767, 42 U.S.C. 9601 et seq. (CERCLA) as amended by the Superfund Amendments and Reauthorization Act of 1986, Pub. L. No. 99-499, 100 Stat. 1613 (SARA), to conduct Screening Site Investigations on 45 sites in North Carolina. The objectives of each Screening Site Investigation are to:

1. develop a hazard ranking score (HRS) for the site, as described in the HRS Users Manual (Ref. 16), and
2. collect other data which may be useful in conducting any future investigations which may be required, particularly the Listing Site Investigation Evaluation (LSIE), which is essentially a preliminary scoring of the site using the revised HRS (RHRS).

This investigation is conducted as a part of the Hazard Ranking System, which serves as an objective screening device to evaluate the relative potential of uncontrolled hazardous substances to cause human health or safety problems, or ecological or environmental damage. The HRS score represents an estimate of the relative probability and magnitude of harm to human population or sensitive environment from exposure to hazardous substances as a result of the contamination of groundwater, surface water, or air.

1.2 HDR Participation

HDR Engineering, Inc. of North Carolina (HDR) has been retained by the NCDEHNR, Superfund Section, to conduct Screening Site Investigations for 20 sites in Western North Carolina, including the site described in this report.

1.3 Limitations on Use of Document

This investigation was conducted for the sole purpose of assisting the NCDEHNR and the USEPA in screening sites for further regulatory action under CERCLA, as amended by SARA. Any other use of this document is prohibited without the expressed written consent of HDR. Furthermore, any use of this document by any party other than the NCDEHNR or the USEPA is prohibited without the expressed written consent of HDR. This document is not to be used, except by NCDEHNR or the USEPA, as evidence that (1) contamination does or does not exist on the property, (2) that the facility is or is not in compliance with applicable laws and regulations, or (3) that further regulatory action will or will not be required.

2.0 BACKGROUND

2.1 Location

The Schulhofer's Inc. site is located on the south side of Howell Mill Road (SR 1184) between the railroad tracks and the intersection of SR 1184 and SR 1187. This site is outside the Waynesville City limits. The coordinates of the site are latitude 35° 30' 20", longitude 82° 58' 29" (Ref. 1, 2, 3; Fig. 1).

2.2 Site Layout

The Schulhofer's Inc. facility is used for an automobile salvage yard, and for recycling metal cans and used appliances (Ref. 3).

The facility is bordered by Richland Creek to the south, Howell Mill Road to the north, and to the east by the Southern Railroad. The west side of the facility is a wooded area next to a recreation park (Ref. 2, 3).

The facility has a slight slope to the southeast. Stormwater runoff flows toward the southeast, toward Richland Creek which runs along the back boundary of the property. There is no groundwater well at the facility (Ref. 2, 3).

2.3 Ownership History

The Schulhofer's Inc. facility belongs to the Schulhofer family. Betsy and Jake Schulhofer started the auto junkyard business at the site in early 1960's. After Betsy and Jake retired, Schulhofer's Inc. has been operated by their son Bill Schulhofer, Sr., and their grandsons, Bill Schulhofer, Jr., and Daniel Schulhofer (Ref. 3).

2.4 Site Use History

Betsy and Jake Schulhofer initiated the Schulhofer's Inc. facility in early 1960's. Prior to 1960, the site area was undeveloped farm land. The Schulhofer's Inc. facility ran a junk auto reclamation incinerator between 1972 and 1978. Between 1975 and 1978, the facility was used to dispose of 72 tons of solvent coated cellophane and other solid wastes from the manufacture of cellophane products which were generated by Ecusta Paper and Film Group of Olin, Co., Pisgah Forest, NC 28769, (704) 877-2211 (Ref. 3, 4).

The incinerator was torn down in 1980. The concrete slab and rail track of incinerator facility was still at the site during a site visit by the inspection team on July 18, 1990 (Ref. 3).

2.5 Process and Waste Disposal History

The Schulhofer's Inc. facility is an auto salvage yard. Between 1972 to 1978, the facility ran a junk auto incinerator in order to recycle metals from wrecked autos. Bill Schulhofer, Sr., said that it took only 30 minutes to run a car through the incinerator (Ref. 3).

During the 1975 to 1978 period, approximately 72 tons of solvent coated cellophane and other solid waste generated by Ecusta Paper and Film Group of Olin, Co., was incinerated at the facility. All solvents had flashpoints below than 140°F. Cellophane burns to produce carbon dioxide and H₂O. Hazardous ash would not result from the burning of these products. The incinerator was torn down in 1980 (Ref. 1, 3, 4).

Schulhofer's Inc. is still running the auto part sales and metal recycling business. The transmission oil from auto motors is placed in 55-gallon drums, and shipped off site for disposal. In order to prevent potential PCB contamination of the site, Schulhofer's limits their acceptance of used appliances to those that do not have motors (e.g. refrigerators, etc) (Ref. 3).

2.6 Permit and Regulatory History

In March 1971, Schulhofer's Inc. applied for an air permit. They received Air Permit No. 43 from Western North Carolina Regional Air Pollution Agency in January 1974. In May 1974, they obtained Air Permit No. 2100 from North Carolina Department of Natural and Economic Resources for the reclamation incinerator (Ref. 3, 5).

2.7 Remedial Actions to Date

There have been no remedial actions at the site (Ref. 3).

2.8 Description of Earlier Reports

There have been no reports or other investigations of the site (Ref. 3).

2.9 Summary Trip Report

On July 18, 1990, the Schulhofer's Inc. site was visited by Grover Nicholson of the NCDEHNR, Superfund Section and Fred Wu of HDR Engineering, Inc. They met at the facility with Bill Schulhofer, Sr. and Bill Schulhofer, Jr. of Schulhofer's Inc. The information obtained during this trip is summarized in a separate memorandum (Ref. 3).

3.0 ENVIRONMENTAL SETTING

3.1 Topography

The Schulhofer's, Inc. site lies within the Blue Ridge mountain area of North Carolina. The site is approximately 2600 feet above mean sea level and appears to be well drained. The slope at the facility is estimated at 2% toward the southeast (Ref. 2, 3).

3.2 Surface Water

Surface runoff from the site drains southeastward across the site, toward the Richland Creek. The distance from the concrete slab of previous reclamation incinerator area to Richland Creek is approximately 300 feet, and the change in elevation over this distance is about 20 feet. Therefore, the slope for the intervening terrain is estimated at 6.7%. Richland Creek flows northeastward approximately 1.2 miles to Lake Junaluska. The Richland Creek discharges to the Pigeon River about 2.3 miles from downstream of Lake Junaluska. The classifications and water quality standards are as follows (Ref. 2, 3, 17).

<u>Name of Stream</u>	<u>Water Class</u>	<u>Distance from Site</u>
Richland Creek	B*	300 feet
Lake Junaluska	C**	1.2 miles
Pigeon River	C***	4.5 miles

* From Source to Lake Junaluska Dam

** From Lake Junaluska Dam to Pigeon River

*** From Canton Water Supply Intakes to North Carolina - Tennessee State Line

3.3 Geology, Soils, and Groundwater

The site lies within the Blue Ridge Belt of the Appalachian Mountains. The most abundant rock type in the area is biotite gneiss (Ref. 6). A variety of other rock types are also present, but the exposures are small (Ref. 6). Varying thicknesses of weathered bedrock, locally known as saprolite, overlie the bedrock (Ref. 8).

In the Blue Ridge Belt, the saprolite and the fractured bedrock in the saturated zone generally act as a single aquifer. Locally, the depth to bedrock is estimated to be approximately 120 feet below the land surface (Ref. 3, 6, 7). Although there are no wells at the site, the site is about 20 feet above the level of Richland Creek, the depth to groundwater at this site is estimated at less than 20 feet (Ref. 2, 3). The type of the aquifer, therefore, lies within the saprolite. The hydraulic conductivity of saprolite in the unsaturated zone is estimated at 1.77×10^{-3} cm/sec (Ref. 8).

3.4 Climate and Meteorology

In the Waynesville area, mean annual precipitation is 56 inches and mean annual evaporation is 34 inches. The net annual precipitation is therefore 22 inches. The 1-year 24-hour rainfall in this area is 3.5 inches (Ref. 9, 10).

3.5 Land Use

The Schulhofer's, Inc. site is located at the northeast side of Waynesville. The nearest residence is approximately 500 feet north of the site. Richland Creek runs behind the site property and flows toward the northeast (Ref. 2, 3).

3.6 Population Distribution

The population within a 1-, 2-, 3-, and 4-mile radius of the site was estimated by adding the total populations calculated from a house count off the USGS 7.5' quadrangle maps, US Census data, and community well data. Additional details on population distribution are provided in Section 4.3.

The schools and day care facilities (not including day care houses) within four miles of the subject site are estimated as follows (Ref. 2, 18).

<u>Radius</u>	<u>Schools</u>	<u>Day Care Centers</u>
1-mile	0	3
2-mile	4	14
3-mile	5	17
4-mile	6	17

3.7 Water Supply

Groundwater from private wells and one community water system is the only source of drinking water available to some residents within 4 miles of the site (Ref. 14). The remaining residents are served by the Waynesville water supply system, Maggie Valley water supply system, and Canton water supply system. Water systems of Waynesville, Maggie Valley, and Canton draw water from Allen Creek, Campbell Creek, and Jonathan Branch, and Pigeon River, respectively (Ref. 2, 14). The Schulhofer's Inc. facility uses water supplied by the Town of Waynesville. Additional details on the uses of groundwater are provided in Section 4.2.

3.8 Critical and Sensitive Environments

There is one area, greater than five acres, along Richland Creek immediately downstream of the site, which has been mapped as the Cullowhee-Nikwasi soil series. While the Cullowhee soil series is not considered a hydric soil, Nikwasi soil series has been classified as such and, therefore, the area is potentially a wetland. Without further field investigation of the area, it is not possible to evaluate this classification further (Ref. 12).

The closest critical habitat to the Schulhoffers, Inc. site is the Spotfin Chub located in Macon County in the Little Tennessee River which is greater than 30 miles away (Ref. 13).

4.0 TARGET ANALYSIS

4.1 Surface Water

There are no downstream surface water intakes for drinking water purposes in Richland Creek or in Pigeon River within 15 miles of the Schulhofer's, Inc. site (Ref. 2, 7, 14, 17).

4.2 Groundwater

The total population using groundwater within four miles of the subject site is estimated as follows:

<u>Radius</u>	<u>Population</u>
1-mile	171
2-mile	927
3-mile	1,728
4-mile	3,778

These numbers were obtained by

- (1) counting the number of houses outside the boundaries of Waynesville, Maggie Valley, Canton and Hazelwood Water Supply systems, multiplying houses counted by 3.8 people/house.
- (2) adding 20% of Hazelwood population served by Hazelwood water well which is located within a 4-mile radius of the subject site.

There is no groundwater well at the facility. The immediate area of the site uses Waynesville water supply system. The distance to the nearest house not served by the Waynesville water system is approximately 0.5 mile (Ref. 3, 14).

4.3 Air

The population within 4 miles of the site is estimated as follows:

<u>Radius</u>	<u>Population</u>
1-mile	3,119
2-mile	8,652
3-mile	13,934
4-mile	17,537

These numbers were obtained by:

- (1) assuming that the population density within densely populated areas (pink color on USGS map) could be estimated by using the composite population density of the town of Waynesville, or 1990 people/sq. mile (Ref. 11; Fig. 1).
- (2) counting the number of houses on USGS maps (excluding within densely populated areas), and multiplying the number of houses by 3.8 people/house (Fig. 1).

4.4 On-Site Exposure

The population within a 1-mile radius of the site is estimated at 3,119 people, as described in section 3.6.

There is a hydric soil complex within one mile of the site (Ref. 12, 13).

5.0 WASTE TYPES AND QUANTITIES

5.1 Waste Types and Disposal Methods

The type of waste generated at the site by the Schulhofer's, Inc. incinerator was the ash from incineration of junk autos, cellophane, rubber and old tires. During its year of operation, from 1972 to 1978, the incinerator was cleaned out 2 or 3 times resulting in a total of 1 to 2 dump truck loads of ash which was taken to the Haywood County landfill, which is located at Francis Street of Waynesville approximately 1.5 miles south of Schulhofer's facility (Ref. 1, 2, 3, 19).

5.2 Waste Quantities

There was no ash disposal on site (Ref. 3, 4).

6.0 TOXICOLOGICAL AND CHEMICAL CHARACTERISTICS

A review of the existing data indicate no contaminates of potential concern at the Schulhofer's, Inc. facility (Ref. 15).



September 10, 1990

Mr. Grover Nicholson
Project Officer
NC DEHNR, Superfund Section
P. O. Box 27687
Raleigh, North Carolina 27611-7687

Re: Screening Site Investigation Report
Schulhofer's, Inc. NCD 024 852 675
Waynesville, North Carolina
HDR Project No. 6994-004-018

Dear Mr. Nicholson:

Submitted herewith is the Screening Site Investigation Report for the subject site. This report is based on a review of currently available data.

If you have any questions, please contact me at 704-338-1800.

Very truly yours,

HDR Engineering, Inc. of North Carolina

Fred C. Wu, E.I.T.
Project Engineer

FCW:rs

Enclosure

HDR Engineering, Inc.
of North Carolina

Suite 1400
128 S. Tryon Street
Charlotte, North Carolina
28202-5001

Telephone
704 338-1800

To File 6994-004-018-03
From Fred Wu
Date July 23, 1990
Subject Summary of Trip Report

HDR
M e m o r a n d u m

Schulhofer's Inc.
525 Howell Mill Road
Waynesville, NC 28786

EPA I.D. No. NCD 024 852 675
July 18, 1990

On July 18, 1990, the Schulhofer's Inc. site was visited by Grover Nicholson of the NCDEHNR, Superfund Section, and Fred Wu of HDR Engineering, Inc.

Site Visit

At 9:00 a.m., the inspection team visited the site and met with Bill Schulhofer, Sr., and Bill Schulhofer, Jr., of Schulhofer's, Inc.

Site Layout

Schulhofer's Inc. is located at Howell Mill Road (SR 1184) on the south side at the road between the railroad tracks and the intersection of SR 1184 and SR 1187.

The Schulhofer's Inc. facility is used for an automobile salvage yard, and for recycling metal cans and used appliances.

The facility is bordered by Richland Creek to the south, Howell Mill Road to the north, and on the east by the Southern Railroad. West side of the facility is a wooded area next to a recreational park.

The facility has a slight slope to the southeast. Stormwater runoff flows towards the southeast, toward Richland Creek running along the rear area of the property. There is no groundwater well at the facility. Bill Schulhofer, Sr., said that people in the immediate area of the site use city water for drinking water purposes.

Ownership History

The Schulhofer's Inc. facility belongs to the Schulhofer family. Betsy and Jake Schulhofer started the auto junkyard business at the site in early 1960's. After Betsy and Jake retired, Schulhofer's Inc. has been operated by their son Bill Schulhofer, Sr., and their grandsons Bill Schulhofer, Jr., and Daniel Schulhofer.

Site Use History

Betsy and Jake Schulhofer initiated the Schulhofer's Inc. facility in early 1960's. Prior to 1960, the site area was undeveloped farm land. The Schulhofer's Inc. facility ran a junk auto reclamation incinerator between 1972 to 1978. Between 1975 and 1978, the facility was used to dispose of 72 tons of solvent coated cellophane and other solid wastes from the manufacture of cellophane products which were generated by Ecusta Paper and Film Group of Olin, Co., Pisgah Forest, NC 28769, (704) 877-2211.

The incinerator was torn down in 1980. The concrete slab and rail track of incinerator facility was still at the site during a site visit by the inspection team on July 18, 1990.

Process and Waste Disposal History

The Schulhofer's Inc. facility is an auto salvage yard. Between 1972 to 1978, the facility ran a junk auto incinerator in order to recycle metals from wrecked autos. Bill Schulhofer, Sr., said that it took only 30 minutes to run a car through the incinerator.

During the 1975 to 1978 period, approximately 72 tons of solvent coated cellophane and other solid waste generated by Ecusta Paper and Film Group of Olin Co. was incinerated at the facility. All solvents had flashpoints below than 140°F. Cellophane burns to produce carbon dioxide and H₂O. Hazardous ash would not result from the burning of these products. The incinerator was torn down in 1980.

Schulhofer's Inc. is still running the auto part sales and metal recycling business. Bill Schulhofer, Jr., said that transmission oil from auto motors was placed in 55-gallon drums and shipped off site for disposal. In order to prevent potential PCB contamination of the site, Schulhofer's limited their acceptance of used appliances to those that do not have motors (e.g. refrigerators, etc.).

Permit History

In March 1971, Schulhofer's Inc. applied for an air permit. Schulhofer's Inc. received Air Permit No. 43 from Western North Carolina Regional Air Pollution Agency in January 1974. In May 1974, Schulhofer's obtained Air Permit No. 2100 from North Carolina Department of Natural and Economic Resources for the reclamation incinerator.

Remedial Actions to Date

According to Bill Schulhofer, Sr., there have been no remedial actions at the site.

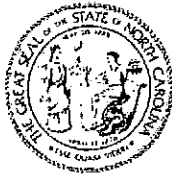
Memo to File 6994-004-018-03
July 23, 1990
Page 3

Description of Earlier Reports

There have been no reports or other investigations of the site.

Windshield Survey

The site is located on the north side of the Town of Waynesville and is outside the city limits. The surrounding area immediately to the north contains residential property. A recreation area is on the west side of the site.



State of North Carolina
Department of Environment, Health, and Natural Resources
Division of Solid Waste Management
P.O. Box 27687 · Raleigh, North Carolina 27611-7687

James G. Martin, Governor
William W. Cobey, Jr., Secretary

William L. Meyer
Director

February 25, 1991

Ms. Kelly Cain
EPA NC CERCLA Project Officer
EPA Region IV Waste Division
345 Courtland Street, NE
Atlanta, Georgia 30365

Date: _____
Site Disposition: _____
EPA Project Manager: _____

RE: Phase I, Screening Site Investigation
Schulhoffer Junkyard
Waynesville, Haywood County, North Carolina
EPA ID No. NCD 024 852 675

Dear Ms. Cain:

Enclosed herewith is the Phase I, Screening Site Investigation Report by HDR Engineering, Inc. for Schulhoffer Junkyard (NCD 024 852 675).

Based on the available information for the subject site, The North Carolina Superfund Section is recommending to the EPA that a Phase II, Screening Site Investigation not be performed at this site.

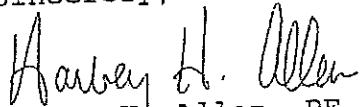
The above recommendation is based on:

- There are no known disposals of hazardous waste on-site.
- An incinerator was used on-site from 1972-1978 to recovery metal from junk autos. Between 1975-1978, 72 tons of solvent coated cellophane was incinerated on-site. The ash from the years of operation was taken to the Haywood County Landfill. Cellophane burns to produce carbon dioxide and water and the solvents were most probably destroyed. The solvents had flashpoints below 140°F.
- Transmission oils are drummed and disposed of off-site.
- In order to avoid PCB contamination at the site, appliances with motors are not accepted at the site.
- There is one area of hydric soils greater than five (5) acres immediately downstream of the subject site.
- There are no critical habitats for endangered species within 15 miles of the subject site.

- There are no surface water intakes within 15 miles downstream of the subject site.
- There are approximately 1728 residents relying on ground water within three (3) miles of the subject site.

If you have any questions, please contact me at 919-733-2801.

Sincerely,



Harvey H. Allen, PE
Environmental Engineer

Enclosures

April 30, 1997

MEMORANDUM

TO: Charlotte Jesneck, Head
Inactive Hazardous Sites Branch

FROM: Sean McLean
Inactive Hazardous Site Branch

RE: No Further Action Recommendation
Schulhoffer Junkyard
Waynesville, Haywood County
NCD 024 852 675

State and Federal files for the above referenced site do not show any evidence that spills, releases, or any other environmental problems have occurred on the site. All waste and incinerator ash was disposed of at the Haywood County Landfill. ~~Transmission fluids were deposited into drums and taken off site for disposal.~~ Based on this information, I recommend that the site be transferred from the Inactive Hazardous Sites "Pending" category to the "No Further Action" category.

Sm\SLB\sh(C:\WPWIN60\WPROCS\MEMOS\SCHULHOFFER.NFA)

Appendix C
Test Pit Logs



BORING NUMBER P-TP-1

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

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

PROJECT: NC DOT State Project U-4412 - Pathway Investigation Area
JOB NUMBER: ROW-309
LOCATION: Waynesville, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm)		LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
			BKG.	SAMP.				
0.0						Dry, brown-orange, sandy SILT		0.0
	Hand	GB	0	2.6		Dry, red, silty CLAY		
	Hand	GB	0	1.4				
2.5			0	1.2		Moist, gray, sandy SILT		2.5
5.0			0	0.9				5.0
						Bottom of borehole at 6.0 feet.		

BORING LOG - HART-HICKMAN.GDT - 11/3/10 16:45 - S:\AAA-MASTER GINT PROJECTS\ROW-309.GPJ

DRILLING CONTRACTOR: EVO Corporation
DRILL RIG/ METHOD: Mini-excavator / Bucket
SAMPLING METHOD: Grab
LOGGED BY: GAB
DRAWN BY:

BORING STARTED: 9/21/10
BORING COMPLETED: 9/21/10
TOTAL DEPTH: 6 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Samples P-TP-1(0-1') and P-TP-1(1-2') collected for laboratory analysis.



BORING NUMBER P-TP-2

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

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

PROJECT: NC DOT State Project U-4412 - Pathway Investigation Area
 JOB NUMBER: ROW-309
 LOCATION: Waynesville, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm)		LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
			BKG.	SAMP.				
0.0						Dry, brown-orange, sandy SILT		0.0
		GB	0	0.5		Dry, orange, clayey SILT		
		GB	0	1.6		Dry, tan/gray, silty SAND		
2.5								2.5
			0	0.7		Moist, gray, silty SAND		
5.0								5.0
			0	0.5				
						Bottom of borehole at 6.0 feet.		

BORING LOG - HART-HICKMAN.GDT - 11/3/10 15:45 - S:\AAA-MASTER GINT PROJECTS\ROW-309.GPJ

DRILLING CONTRACTOR: EVO Corporation
 DRILL RIG/ METHOD: Mini-excavator / Bucket
 SAMPLING METHOD: Grab
 LOGGED BY: GAB
 DRAWN BY:

BORING STARTED: 9/21/10
 BORING COMPLETED: 9/21/10
 TOTAL DEPTH: 6 ft.
 TOP OF CASING ELEV:
 DEPTH TO WATER:

Remarks:
 Samples P-TP-2(0-1') and P-TP-2(1-2')
 collected for laboratory analysis.



BORING NUMBER P-TP-3

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

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

PROJECT: NC DOT State Project U-4412 - Pathway Investigation Area

JOB NUMBER: ROW-309

LOCATION: Waynesville, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm)		LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
			BKG.	SAMP.				
0.0						Dry, brown, fine sandy SILT with black ash material		0.0
	Hand icon	GB	0	2.6				
			0	1.7		Dry, brown, fine sandy SILT		
						Dry, orange-tan, clayey SILT		
2.5	Hand icon	GB	0	3.5				2.5
						Dry, tan/gray, sandy SILT		
5.0			0	2.4				5.0
						Bottom of borehole at 6.0 feet.		

BORING LOG - HART, HICKMAN, GDT - 11/3/10 15:45 - S:\AAA-MASTER GINT PROJECTS\ROW-309.GPJ

DRILLING CONTRACTOR: EVO Corporation
 DRILL RIG/ METHOD: Mini-excavator / Bucket
 SAMPLING METHOD: Grab
 LOGGED BY: GAB
 DRAWN BY:

BORING STARTED: 9/21/10
 BORING COMPLETED: 9/21/10
 TOTAL DEPTH: 6 ft.
 TOP OF CASING ELEV:
 DEPTH TO WATER:

Remarks:
 Samples P-TP-3(0-1') and P-TP-3(2-4')
 collected for laboratory analysis.



BORING NUMBER P-TP-4

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

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

PROJECT: NC DOT State Project U-4412 - Pathway Investigation Area

JOB NUMBER: ROW-309

LOCATION: Waynesville, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm)		LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
			BKG.	SAMP.				
0.0						Dry, brown, fine sandy SILT with black ash material		0.0
		GB	0	1.5		Dry, brownish-black, fine sandy SILT		
		GB	0	1.7				
2.5			0	0.7				2.5
			0	0.3		Moist, gray, silty, fine SAND		
5.0								5.0
						Bottom of borehole at 6.0 feet.		

BORING LOG - HART HICKMAN.GDT - 11/3/10 15:45 - S:\AAA-MASTER GINT PROJECTS\ROW-309.GPJ

DRILLING CONTRACTOR:EVO Corporation
DRILL RIG/ METHOD: Mini-excavator / Bucket
SAMPLING METHOD: Grab
LOGGED BY: GAB
DRAWN BY:

BORING STARTED: 9/21/10
BORING COMPLETED: 9/21/10
TOTAL DEPTH: 6 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Samples P-TP-4(0-1') and P-TP-4(1-2') collected for laboratory analysis.



BORING NUMBER P-TP-5

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

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

PROJECT: NC DOT State Project U-4412 - Pathway Investigation Area
JOB NUMBER: ROW-309
LOCATION: Waynesville, NC

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm)		LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
			BKG.	SAMP.				
0.0								0.0
	Hand	GB	0	2.5	[Dotted pattern]	Dry, brown, fine sandy SILT		
	Hand	GB	0	3.5				
2.5			0	2.2		Dry, orange-brown, fine sandy SILT		2.5
5.0			0	2.1				5.0
						Bottom of borehole at 6.0 feet.		

BORING LOG - HART HICKMAN.GDT - 11/3/10 16:45 - S:\AAA-MASTER GINT PROJECTS\ROW-309.GPJ

DRILLING CONTRACTOR: EVO Corporation
DRILL RIG/ METHOD: Mini-excavator / Bucket
SAMPLING METHOD: Grab
LOGGED BY: GAB
DRAWN BY:

BORING STARTED: 9/21/10
BORING COMPLETED: 9/21/10
TOTAL DEPTH: 6 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Samples P-TP-5(0-1') and P-TP-5(1-2') collected for laboratory analysis.

Appendix D
Laboratory Analytical Report



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

Project: ROW-309
Project No.: WBS# 35022.1.1
Lab Submittal Date: 09/22/2010
Prism Work Order: 0090532

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:

Method 8290 analysis was subcontracted to Cape Fear Analytical. Laboratory report is 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 Method Blk (0.17 mg/L) is greater than 1/2 the Reporting Limit the samples are greater than 10x the MB.
- D RPD value outside of the control limits.
- DO Surrogates diluted out.
- MC Sample concentration too high for recovery evaluation.
- MI Matrix spike outside of the control limits. Matrix interference suspected.
- P Recovery outside of the QC limits due to inconsistency during extraction and chromatographic performance of this compound.
- SR Surrogate recovery outside the QC limits.
- BRL Below Reporting Limit
- MDL Method Detection Limit
- RPD Relative Percent Difference
- * Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
P-TP-1 (1-2')	0090532-01	Solid	09/21/10	09/22/10
P-TP-2 (1-2')	0090532-02	Solid	09/21/10	09/22/10
P-TP-3 (2-4')	0090532-03	Solid	09/21/10	09/22/10
P-TP-4 (1-2')	0090532-04	Solid	09/21/10	09/22/10
P-TP-5 (1-2')	0090532-05	Solid	09/21/10	09/22/10
DRUM	0090532-06	Water	09/21/10	09/22/10
P-TP-1 (0-1')	0090532-07	Solid	09/21/10	09/22/10
P-TP-2 (0-1')	0090532-08	Solid	09/21/10	09/22/10
P-TP-3 (0-1')	0090532-09	Solid	09/21/10	09/22/10
P-TP-4 (0-1')	0090532-10	Solid	09/21/10	09/22/10
P-TP-5 (0-1')	0090532-11	Solid	09/21/10	09/22/10

Samples received in good condition at 1.8 degrees C unless otherwise noted.

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-1 (1-2')
 Prism Sample ID: 0090532-01
 Prism Work Order: 0090532
 Time Collected: 09/21/10 09:55
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	8.7	1.4	1	*8015C	9/29/10 21:15	JMV	P010580
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			97 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.2	0.54	50	*8015C	9/24/10 18:30	HPE	P010486
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			104 %		55-129	

General Chemistry Parameters

% Solids	79.8	% by Weight	0.100	0.100	1	*SM2540 G	9/27/10 14:00	JAB	P010546
Oil & Grease (HEM)	BRL	mg/kg dry	50	15	1	*9071B	9/29/10 15:00	GRR	P010515

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	BRL	mg/kg	0.050	0.0092	1	*8082A	9/28/10 7:23	JMV	P010526
Aroclor 1221	BRL	mg/kg	0.10	0.040	1	*8082A	9/28/10 7:23	JMV	P010526
Aroclor 1232	BRL	mg/kg	0.10	0.067	1	*8082A	9/28/10 7:23	JMV	P010526
Aroclor 1242	BRL	mg/kg	0.050	0.0040	1	*8082A	9/28/10 7:23	JMV	P010526
Aroclor 1248	BRL	mg/kg	0.050	0.010	1	*8082A	9/28/10 7:23	JMV	P010526
Aroclor 1254	BRL	mg/kg	0.050	0.0068	1	*8082A	9/28/10 7:23	JMV	P010526
Aroclor 1260	BRL	mg/kg	0.050	0.013	1	*8082A	9/28/10 7:23	JMV	P010526
			Surrogate			Recovery		Control Limits	
			Tetrachloro-m-xylene			91 %		36-182	
			Decachlorobiphenyl			95 %		34-182	

Semivolatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.41	0.11	1	*8270D	9/29/10 20:48	KC	P010591
1,2-Dichlorobenzene	BRL	mg/kg dry	0.41	0.094	1	*8270D	9/29/10 20:48	KC	P010591
1,3-Dichlorobenzene	BRL	mg/kg dry	0.41	0.095	1	*8270D	9/29/10 20:48	KC	P010591
1,4-Dichlorobenzene	BRL	mg/kg dry	0.41	0.093	1	*8270D	9/29/10 20:48	KC	P010591
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.41	0.10	1	*8270D	9/29/10 20:48	KC	P010591
2,4-Dichlorophenol	BRL	mg/kg dry	0.41	0.10	1	*8270D	9/29/10 20:48	KC	P010591
2,4-Dimethylphenol	BRL	mg/kg dry	0.41	0.11	1	*8270D	9/29/10 20:48	KC	P010591
2,4-Dinitrophenol	BRL	mg/kg dry	0.41	0.064	1	*8270D	9/29/10 20:48	KC	P010591
2,4-Dinitrotoluene	BRL	mg/kg dry	0.41	0.099	1	*8270D	9/29/10 20:48	KC	P010591
2,6-Dinitrotoluene	BRL	mg/kg dry	0.41	0.085	1	*8270D	9/29/10 20:48	KC	P010591
2-Chloronaphthalene	BRL	mg/kg dry	0.41	0.098	1	*8270D	9/29/10 20:48	KC	P010591
2-Chlorophenol	BRL	mg/kg dry	0.41	0.11	1	*8270D	9/29/10 20:48	KC	P010591
2-Methylnaphthalene	BRL	mg/kg dry	0.41	0.13	1	*8270D	9/29/10 20:48	KC	P010591
2-Methylphenol	BRL	mg/kg dry	0.41	0.10	1	*8270D	9/29/10 20:48	KC	P010591
2-Nitrophenol	BRL	mg/kg dry	0.41	0.093	1	*8270D	9/29/10 20:48	KC	P010591
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.41	0.10	1	*8270D	9/29/10 20:48	KC	P010591
3/4-Methylphenol	BRL	mg/kg dry	0.41	0.10	1	*8270D	9/29/10 20:48	KC	P010591
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.41	0.066	1	*8270D	9/29/10 20:48	KC	P010591

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-1 (1-2')
 Prism Sample ID: 0090532-01
 Prism Work Order: 0090532
 Time Collected: 09/21/10 09:55
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.41	0.090	1	*8270D	9/29/10 20:48	KC	P0I0591
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.41	0.094	1	*8270D	9/29/10 20:48	KC	P0I0591
4-Chloroaniline	BRL	mg/kg dry	0.41	0.084	1	*8270D	9/29/10 20:48	KC	P0I0591
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.41	0.081	1	*8270D	9/29/10 20:48	KC	P0I0591
4-Nitrophenol	BRL	mg/kg dry	0.41	0.056	1	*8270D	9/29/10 20:48	KC	P0I0591
Acenaphthene	BRL	mg/kg dry	0.41	0.089	1	*8270D	9/29/10 20:48	KC	P0I0591
Acenaphthylene	BRL	mg/kg dry	0.41	0.094	1	*8270D	9/29/10 20:48	KC	P0I0591
Anthracene	BRL	mg/kg dry	0.41	0.094	1	*8270D	9/29/10 20:48	KC	P0I0591
Azobenzene	BRL	mg/kg dry	0.41	0.091	1	*8270D	9/29/10 20:48	KC	P0I0591
Benzo(a)anthracene	BRL	mg/kg dry	0.41	0.10	1	*8270D	9/29/10 20:48	KC	P0I0591
Benzo(a)pyrene	BRL	mg/kg dry	0.41	0.055	1	*8270D	9/29/10 20:48	KC	P0I0591
Benzo(b)fluoranthene	BRL	mg/kg dry	0.41	0.086	1	*8270D	9/29/10 20:48	KC	P0I0591
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.41	0.074	1	*8270D	9/29/10 20:48	KC	P0I0591
Benzo(k)fluoranthene	BRL	mg/kg dry	0.41	0.11	1	*8270D	9/29/10 20:48	KC	P0I0591
Benzoic Acid	BRL	mg/kg dry	0.41	0.11	1	*8270D	9/29/10 20:48	KC	P0I0591
Benzyl alcohol	BRL	mg/kg dry	0.41	0.10	1	*8270D	9/29/10 20:48	KC	P0I0591
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.41	0.11	1	*8270D	9/29/10 20:48	KC	P0I0591
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.41	0.11	1	*8270D	9/29/10 20:48	KC	P0I0591
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.41	0.11	1	*8270D	9/29/10 20:48	KC	P0I0591
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.41	0.13	1	*8270D	9/29/10 20:48	KC	P0I0591
Butyl benzyl phthalate	BRL	mg/kg dry	0.41	0.12	1	*8270D	9/29/10 20:48	KC	P0I0591
Chrysene	BRL	mg/kg dry	0.41	0.092	1	*8270D	9/29/10 20:48	KC	P0I0591
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.41	0.095	1	*8270D	9/29/10 20:48	KC	P0I0591
Dibenzofuran	BRL	mg/kg dry	0.41	0.089	1	*8270D	9/29/10 20:48	KC	P0I0591
Diethyl phthalate	BRL	mg/kg dry	0.41	0.10	1	*8270D	9/29/10 20:48	KC	P0I0591
Dimethyl phthalate	BRL	mg/kg dry	0.41	0.095	1	*8270D	9/29/10 20:48	KC	P0I0591
Di-n-butyl phthalate	BRL	mg/kg dry	0.41	0.13	1	*8270D	9/29/10 20:48	KC	P0I0591
Di-n-octyl phthalate	BRL	mg/kg dry	0.41	0.14	1	*8270D	9/29/10 20:48	KC	P0I0591
Fluoranthene	BRL	mg/kg dry	0.41	0.11	1	*8270D	9/29/10 20:48	KC	P0I0591
Fluorene	BRL	mg/kg dry	0.41	0.090	1	*8270D	9/29/10 20:48	KC	P0I0591
Hexachlorobenzene	BRL	mg/kg dry	0.41	0.092	1	*8270D	9/29/10 20:48	KC	P0I0591
Hexachlorobutadiene	BRL	mg/kg dry	0.41	0.10	1	*8270D	9/29/10 20:48	KC	P0I0591
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.41	0.082	1	*8270D	9/29/10 20:48	KC	P0I0591
Hexachloroethane	BRL	mg/kg dry	0.41	0.097	1	*8270D	9/29/10 20:48	KC	P0I0591
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.41	0.10	1	*8270D	9/29/10 20:48	KC	P0I0591
Isophorone	BRL	mg/kg dry	0.41	0.094	1	*8270D	9/29/10 20:48	KC	P0I0591
Naphthalene	BRL	mg/kg dry	0.41	0.11	1	*8270D	9/29/10 20:48	KC	P0I0591
Nitrobenzene	BRL	mg/kg dry	0.41	0.10	1	*8270D	9/29/10 20:48	KC	P0I0591
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.41	0.092	1	*8270D	9/29/10 20:48	KC	P0I0591
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.41	0.10	1	*8270D	9/29/10 20:48	KC	P0I0591
Pentachlorophenol	BRL	mg/kg dry	0.41	0.11	1	*8270D	9/29/10 20:48	KC	P0I0591
Phenanthrene	BRL	mg/kg dry	0.41	0.091	1	*8270D	9/29/10 20:48	KC	P0I0591
Phenol	BRL	mg/kg dry	0.41	0.11	1	*8270D	9/29/10 20:48	KC	P0I0591
Pyrene	BRL	mg/kg dry	0.41	0.099	1	*8270D	9/29/10 20:48	KC	P0I0591

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-1 (1-2')
 Prism Sample ID: 0090532-01
 Prism Work Order: 0090532
 Time Collected: 09/21/10 09:55
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
			Surrogate				Recovery		Control Limits
			2,4,6-Tribromophenol				95 %		34-134
			2-Fluorobiphenyl				91 %		17-122
			2-Fluorophenol				67 %		13-108
			Nitrobenzene-d5				81 %		11-118
			Phenol-d5				78 %		23-109
			Terphenyl-d14				92 %		41-156

Total Metals

Mercury	0.13	mg/kg dry	0.023	0.0034	1	*7471B	9/29/10 14:28	RWF	POI0582
Arsenic	BRL	mg/kg dry	0.61	0.069	1	*6010C	9/28/10 0:02	DJS	POI0487
Barium	51	mg/kg dry	0.61	0.091	1	*6010C	9/28/10 0:02	DJS	POI0487
Cadmium	1.3	mg/kg dry	0.31	0.033	1	*6010C	9/28/10 0:02	DJS	POI0487
Chromium	77	mg/kg dry	0.31	0.042	1	*6010C	9/28/10 0:02	DJS	POI0487
Lead	14	mg/kg dry	0.31	0.076	1	*6010C	9/28/10 0:02	DJS	POI0487
Selenium	BRL	mg/kg dry	0.61	0.12	1	*6010C	9/28/10 0:02	DJS	POI0487
Silver	BRL	mg/kg dry	0.31	0.031	1	*6010C	9/28/10 0:02	DJS	POI0487

Volatile Organic Compounds by GC/MS

1,1,1-Trichloroethane	BRL	mg/kg dry	0.0039	0.00089	1	*8260B	9/23/10 21:27	KLA	POI0464
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0039	0.0011	1	*8260B	9/23/10 21:27	KLA	POI0464
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0039	0.0011	1	*8260B	9/23/10 21:27	KLA	POI0464
1,1-Dichloroethane	BRL	mg/kg dry	0.0039	0.0010	1	*8260B	9/23/10 21:27	KLA	POI0464
1,1-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00092	1	*8260B	9/23/10 21:27	KLA	POI0464
1,1-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00081	1	*8260B	9/23/10 21:27	KLA	POI0464
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0039	0.0013	1	*8260B	9/23/10 21:27	KLA	POI0464
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0039	0.0016	1	*8260B	9/23/10 21:27	KLA	POI0464
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0039	0.0011	1	*8260B	9/23/10 21:27	KLA	POI0464
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0039	0.00096	1	*8260B	9/23/10 21:27	KLA	POI0464
1,2-Dibromoethane	BRL	mg/kg dry	0.0039	0.0011	1	*8260B	9/23/10 21:27	KLA	POI0464
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.0010	1	*8260B	9/23/10 21:27	KLA	POI0464
1,2-Dichloroethane	BRL	mg/kg dry	0.0039	0.0010	1	*8260B	9/23/10 21:27	KLA	POI0464
1,2-Dichloropropane	BRL	mg/kg dry	0.0039	0.0012	1	*8260B	9/23/10 21:27	KLA	POI0464
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0039	0.0010	1	*8260B	9/23/10 21:27	KLA	POI0464
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00093	1	*8260B	9/23/10 21:27	KLA	POI0464
1,3-Dichloropropane	BRL	mg/kg dry	0.0039	0.00080	1	*8260B	9/23/10 21:27	KLA	POI0464
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00096	1	*8260B	9/23/10 21:27	KLA	POI0464
2,2-Dichloropropane	BRL	mg/kg dry	0.0039	0.00092	1	*8260B	9/23/10 21:27	KLA	POI0464
2-Chlorotoluene	BRL	mg/kg dry	0.0039	0.0010	1	*8260B	9/23/10 21:27	KLA	POI0464
4-Chlorotoluene	BRL	mg/kg dry	0.0039	0.00096	1	*8260B	9/23/10 21:27	KLA	POI0464
4-Isopropyltoluene	BRL	mg/kg dry	0.0039	0.0011	1	*8260B	9/23/10 21:27	KLA	POI0464
Acetone	BRL	mg/kg dry	0.039	0.0017	1	*8260B	9/23/10 21:27	KLA	POI0464
Benzene	BRL	mg/kg dry	0.0023	0.0010	1	*8260B	9/23/10 21:27	KLA	POI0464
Bromobenzene	BRL	mg/kg dry	0.0039	0.00095	1	*8260B	9/23/10 21:27	KLA	POI0464
Bromochloromethane	BRL	mg/kg dry	0.0039	0.0011	1	*8260B	9/23/10 21:27	KLA	POI0464

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-1 (1-2')
 Prism Sample ID: 0090532-01
 Prism Work Order: 0090532
 Time Collected: 09/21/10 09:55
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bromodichloromethane	BRL	mg/kg dry	0.0039	0.00089	1	*8260B	9/23/10 21:27	KLA	POI0464
Bromoform	BRL	mg/kg dry	0.0039	0.00085	1	*8260B	9/23/10 21:27	KLA	POI0464
Bromomethane	BRL	mg/kg dry	0.0078	0.00098	1	*8260B	9/23/10 21:27	KLA	POI0464
Carbon Tetrachloride	BRL	mg/kg dry	0.0039	0.0011	1	*8260B	9/23/10 21:27	KLA	POI0464
Chlorobenzene	BRL	mg/kg dry	0.0039	0.00088	1	*8260B	9/23/10 21:27	KLA	POI0464
Chloroethane	BRL	mg/kg dry	0.0078	0.0020	1	*8260B	9/23/10 21:27	KLA	POI0464
Chloroform	BRL	mg/kg dry	0.0039	0.00098	1	*8260B	9/23/10 21:27	KLA	POI0464
Chloromethane	BRL	mg/kg dry	0.0039	0.00093	1	*8260B	9/23/10 21:27	KLA	POI0464
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00091	1	*8260B	9/23/10 21:27	KLA	POI0464
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00093	1	*8260B	9/23/10 21:27	KLA	POI0464
Dibromochloromethane	BRL	mg/kg dry	0.0039	0.00098	1	*8260B	9/23/10 21:27	KLA	POI0464
Dichlorodifluoromethane	BRL	mg/kg dry	0.0039	0.00080	1	*8260B	9/23/10 21:27	KLA	POI0464
Ethylbenzene	BRL	mg/kg dry	0.0039	0.00081	1	*8260B	9/23/10 21:27	KLA	POI0464
Isopropyl Ether	BRL	mg/kg dry	0.0039	0.00096	1	*8260B	9/23/10 21:27	KLA	POI0464
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0039	0.00087	1	*8260B	9/23/10 21:27	KLA	POI0464
m,p-Xylenes	BRL	mg/kg dry	0.0078	0.0021	1	*8260B	9/23/10 21:27	KLA	POI0464
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.039	0.0012	1	*8260B	9/23/10 21:27	KLA	POI0464
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.078	0.0010	1	*8260B	9/23/10 21:27	KLA	POI0464
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.039	0.00085	1	*8260B	9/23/10 21:27	KLA	POI0464
Methylene Chloride	BRL	mg/kg dry	0.0039	0.0010	1	*8260B	9/23/10 21:27	KLA	POI0464
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0078	0.00081	1	*8260B	9/23/10 21:27	KLA	POI0464
Naphthalene	BRL	mg/kg dry	0.0078	0.0021	1	*8260B	9/23/10 21:27	KLA	POI0464
n-Butylbenzene	BRL	mg/kg dry	0.0039	0.0014	1	*8260B	9/23/10 21:27	KLA	POI0464
n-Propylbenzene	BRL	mg/kg dry	0.0039	0.0011	1	*8260B	9/23/10 21:27	KLA	POI0464
o-Xylene	BRL	mg/kg dry	0.0039	0.00086	1	*8260B	9/23/10 21:27	KLA	POI0464
sec-Butylbenzene	BRL	mg/kg dry	0.0039	0.0010	1	*8260B	9/23/10 21:27	KLA	POI0464
Styrene	BRL	mg/kg dry	0.0039	0.00076	1	*8260B	9/23/10 21:27	KLA	POI0464
tert-Butylbenzene	BRL	mg/kg dry	0.0039	0.0011	1	*8260B	9/23/10 21:27	KLA	POI0464
Tetrachloroethylene	BRL	mg/kg dry	0.0039	0.0010	1	*8260B	9/23/10 21:27	KLA	POI0464
Toluene	BRL	mg/kg dry	0.0039	0.00095	1	*8260B	9/23/10 21:27	KLA	POI0464
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00077	1	*8260B	9/23/10 21:27	KLA	POI0464
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00078	1	*8260B	9/23/10 21:27	KLA	POI0464
Trichloroethylene	BRL	mg/kg dry	0.0039	0.0011	1	*8260B	9/23/10 21:27	KLA	POI0464
Trichlorofluoromethane	BRL	mg/kg dry	0.0039	0.0011	1	*8260B	9/23/10 21:27	KLA	POI0464
Vinyl acetate	BRL	mg/kg dry	0.019	0.0027	1	*8260B	9/23/10 21:27	KLA	POI0464
Vinyl chloride	BRL	mg/kg dry	0.0039	0.0010	1	*8260B	9/23/10 21:27	KLA	POI0464
Xylenes, total	BRL	mg/kg dry	0.012	0.0029	1	*8260B	9/23/10 21:27	KLA	POI0464

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	102 %	70-130
Dibromofluoromethane	98 %	84-123
Toluene-d8	93 %	76-129

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-2 (1-2')
 Prism Sample ID: 0090532-02
 Prism Work Order: 0090532
 Time Collected: 09/21/10 11:20
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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General Chemistry Parameters

% Solids	87.3	% by Weight	0.100	0.100	1	*SM2540 G	9/27/10 14:00	JAB	P010546
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Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	BRL	mg/kg	0.050	0.0091	1	*8082A	9/28/10 8:05	JMV	P010526
Aroclor 1221	BRL	mg/kg	0.099	0.040	1	*8082A	9/28/10 8:05	JMV	P010526
Aroclor 1232	BRL	mg/kg	0.099	0.066	1	*8082A	9/28/10 8:05	JMV	P010526
Aroclor 1242	BRL	mg/kg	0.050	0.0040	1	*8082A	9/28/10 8:05	JMV	P010526
Aroclor 1248	BRL	mg/kg	0.050	0.0099	1	*8082A	9/28/10 8:05	JMV	P010526
Aroclor 1254	BRL	mg/kg	0.050	0.0067	1	*8082A	9/28/10 8:05	JMV	P010526
Aroclor 1260	BRL	mg/kg	0.050	0.013	1	*8082A	9/28/10 8:05	JMV	P010526

Surrogate	Recovery	Control Limits
Tetrachloro-m-xylene	92 %	36-182
Decachlorobiphenyl	94 %	34-182

Semivolatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.37	0.096	1	*8270D	9/29/10 21:19	KC	P010591
1,2-Dichlorobenzene	BRL	mg/kg dry	0.37	0.086	1	*8270D	9/29/10 21:19	KC	P010591
1,3-Dichlorobenzene	BRL	mg/kg dry	0.37	0.086	1	*8270D	9/29/10 21:19	KC	P010591
1,4-Dichlorobenzene	BRL	mg/kg dry	0.37	0.084	1	*8270D	9/29/10 21:19	KC	P010591
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.37	0.091	1	*8270D	9/29/10 21:19	KC	P010591
2,4-Dichlorophenol	BRL	mg/kg dry	0.37	0.095	1	*8270D	9/29/10 21:19	KC	P010591
2,4-Dimethylphenol	BRL	mg/kg dry	0.37	0.097	1	*8270D	9/29/10 21:19	KC	P010591
2,4-Dinitrophenol	BRL	mg/kg dry	0.37	0.058	1	*8270D	9/29/10 21:19	KC	P010591
2,4-Dinitrotoluene	BRL	mg/kg dry	0.37	0.090	1	*8270D	9/29/10 21:19	KC	P010591
2,6-Dinitrotoluene	BRL	mg/kg dry	0.37	0.078	1	*8270D	9/29/10 21:19	KC	P010591
2-Chloronaphthalene	BRL	mg/kg dry	0.37	0.089	1	*8270D	9/29/10 21:19	KC	P010591
2-Chlorophenol	BRL	mg/kg dry	0.37	0.10	1	*8270D	9/29/10 21:19	KC	P010591
2-Methylnaphthalene	BRL	mg/kg dry	0.37	0.11	1	*8270D	9/29/10 21:19	KC	P010591
2-Methylphenol	BRL	mg/kg dry	0.37	0.093	1	*8270D	9/29/10 21:19	KC	P010591
2-Nitrophenol	BRL	mg/kg dry	0.37	0.085	1	*8270D	9/29/10 21:19	KC	P010591
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.37	0.091	1	*8270D	9/29/10 21:19	KC	P010591
3/4-Methylphenol	BRL	mg/kg dry	0.37	0.094	1	*8270D	9/29/10 21:19	KC	P010591
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.37	0.060	1	*8270D	9/29/10 21:19	KC	P010591
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.37	0.082	1	*8270D	9/29/10 21:19	KC	P010591
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.37	0.085	1	*8270D	9/29/10 21:19	KC	P010591
4-Chloroaniline	BRL	mg/kg dry	0.37	0.076	1	*8270D	9/29/10 21:19	KC	P010591
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.37	0.074	1	*8270D	9/29/10 21:19	KC	P010591
4-Nitrophenol	BRL	mg/kg dry	0.37	0.051	1	*8270D	9/29/10 21:19	KC	P010591
Acenaphthene	BRL	mg/kg dry	0.37	0.081	1	*8270D	9/29/10 21:19	KC	P010591
Acenaphthylene	BRL	mg/kg dry	0.37	0.085	1	*8270D	9/29/10 21:19	KC	P010591
Anthracene	BRL	mg/kg dry	0.37	0.085	1	*8270D	9/29/10 21:19	KC	P010591
Azobenzene	BRL	mg/kg dry	0.37	0.083	1	*8270D	9/29/10 21:19	KC	P010591
Benzo(a)anthracene	BRL	mg/kg dry	0.37	0.092	1	*8270D	9/29/10 21:19	KC	P010591

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-2 (1-2')
 Prism Sample ID: 0090532-02
 Prism Work Order: 0090532
 Time Collected: 09/21/10 11:20
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(a)pyrene	BRL	mg/kg dry	0.37	0.050	1	*8270D	9/29/10 21:19	KC	P0I0591
Benzo(b)fluoranthene	BRL	mg/kg dry	0.37	0.078	1	*8270D	9/29/10 21:19	KC	P0I0591
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.37	0.067	1	*8270D	9/29/10 21:19	KC	P0I0591
Benzo(k)fluoranthene	BRL	mg/kg dry	0.37	0.10	1	*8270D	9/29/10 21:19	KC	P0I0591
Benzoic Acid	BRL	mg/kg dry	0.37	0.096	1	*8270D	9/29/10 21:19	KC	P0I0591
Benzyl alcohol	BRL	mg/kg dry	0.37	0.093	1	*8270D	9/29/10 21:19	KC	P0I0591
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.37	0.099	1	*8270D	9/29/10 21:19	KC	P0I0591
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.37	0.10	1	*8270D	9/29/10 21:19	KC	P0I0591
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.37	0.10	1	*8270D	9/29/10 21:19	KC	P0I0591
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.37	0.12	1	*8270D	9/29/10 21:19	KC	P0I0591
Butyl benzyl phthalate	BRL	mg/kg dry	0.37	0.11	1	*8270D	9/29/10 21:19	KC	P0I0591
Chrysene	BRL	mg/kg dry	0.37	0.084	1	*8270D	9/29/10 21:19	KC	P0I0591
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.37	0.087	1	*8270D	9/29/10 21:19	KC	P0I0591
Dibenzofuran	BRL	mg/kg dry	0.37	0.081	1	*8270D	9/29/10 21:19	KC	P0I0591
Diethyl phthalate	BRL	mg/kg dry	0.37	0.093	1	*8270D	9/29/10 21:19	KC	P0I0591
Dimethyl phthalate	BRL	mg/kg dry	0.37	0.086	1	*8270D	9/29/10 21:19	KC	P0I0591
Di-n-butyl phthalate	BRL	mg/kg dry	0.37	0.12	1	*8270D	9/29/10 21:19	KC	P0I0591
Di-n-octyl phthalate	BRL	mg/kg dry	0.37	0.12	1	*8270D	9/29/10 21:19	KC	P0I0591
Fluoranthene	BRL	mg/kg dry	0.37	0.098	1	*8270D	9/29/10 21:19	KC	P0I0591
Fluorene	BRL	mg/kg dry	0.37	0.082	1	*8270D	9/29/10 21:19	KC	P0I0591
Hexachlorobenzene	BRL	mg/kg dry	0.37	0.084	1	*8270D	9/29/10 21:19	KC	P0I0591
Hexachlorobutadiene	BRL	mg/kg dry	0.37	0.095	1	*8270D	9/29/10 21:19	KC	P0I0591
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.37	0.074	1	*8270D	9/29/10 21:19	KC	P0I0591
Hexachloroethane	BRL	mg/kg dry	0.37	0.088	1	*8270D	9/29/10 21:19	KC	P0I0591
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.37	0.094	1	*8270D	9/29/10 21:19	KC	P0I0591
Isophorone	BRL	mg/kg dry	0.37	0.086	1	*8270D	9/29/10 21:19	KC	P0I0591
Naphthalene	BRL	mg/kg dry	0.37	0.098	1	*8270D	9/29/10 21:19	KC	P0I0591
Nitrobenzene	BRL	mg/kg dry	0.37	0.094	1	*8270D	9/29/10 21:19	KC	P0I0591
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.37	0.084	1	*8270D	9/29/10 21:19	KC	P0I0591
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.37	0.091	1	*8270D	9/29/10 21:19	KC	P0I0591
Pentachlorophenol	BRL	mg/kg dry	0.37	0.10	1	*8270D	9/29/10 21:19	KC	P0I0591
Phenanthrene	BRL	mg/kg dry	0.37	0.083	1	*8270D	9/29/10 21:19	KC	P0I0591
Phenol	BRL	mg/kg dry	0.37	0.10	1	*8270D	9/29/10 21:19	KC	P0I0591
Pyrene	BRL	mg/kg dry	0.37	0.090	1	*8270D	9/29/10 21:19	KC	P0I0591

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	95 %	34-134
2-Fluorobiphenyl	88 %	17-122
2-Fluorophenol	74 %	13-108
Nitrobenzene-d5	76 %	11-118
Phenol-d5	74 %	23-109
Terphenyl-d14	96 %	41-156

Total Metals

Mercury	BRL	mg/kg dry	0.024	0.0035	1	*7471B	9/29/10 14:51	RWF	P0I0582
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Hart & Hickman (Charlotte)
 Attn: David Graham
 2923 South Tryon St. Ste 100
 Charlotte, NC 28203

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-2 (1-2')
 Prism Sample ID: 0090532-02
 Prism Work Order: 0090532
 Time Collected: 09/21/10 11:20
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Arsenic	0.90	mg/kg dry	0.56	0.063	1	*6010C	9/28/10 0:27	DJS	POI0487
Barium	140	mg/kg dry	0.56	0.083	1	*6010C	9/28/10 0:27	DJS	POI0487
Cadmium	1.2	mg/kg dry	0.28	0.030	1	*6010C	9/28/10 0:27	DJS	POI0487
Chromium	39	mg/kg dry	0.28	0.038	1	*6010C	9/28/10 0:27	DJS	POI0487
Lead	12	mg/kg dry	0.28	0.069	1	*6010C	9/28/10 0:27	DJS	POI0487
Selenium	BRL	mg/kg dry	0.56	0.11	1	*6010C	9/28/10 0:27	DJS	POI0487
Silver	BRL	mg/kg dry	0.28	0.028	1	*6010C	9/28/10 0:27	DJS	POI0487

Volatile Organic Compounds by GC/MS

1,1,1-Trichloroethane	BRL	mg/kg dry	0.0038	0.00088	1	*8260B	9/23/10 22:01	KLA	POI0464
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0038	0.0011	1	*8260B	9/23/10 22:01	KLA	POI0464
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0038	0.0011	1	*8260B	9/23/10 22:01	KLA	POI0464
1,1-Dichloroethane	BRL	mg/kg dry	0.0038	0.00099	1	*8260B	9/23/10 22:01	KLA	POI0464
1,1-Dichloroethylene	BRL	mg/kg dry	0.0038	0.00091	1	*8260B	9/23/10 22:01	KLA	POI0464
1,1-Dichloropropylene	BRL	mg/kg dry	0.0038	0.00080	1	*8260B	9/23/10 22:01	KLA	POI0464
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0038	0.0013	1	*8260B	9/23/10 22:01	KLA	POI0464
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0038	0.0016	1	*8260B	9/23/10 22:01	KLA	POI0464
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0038	0.0010	1	*8260B	9/23/10 22:01	KLA	POI0464
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0038	0.00095	1	*8260B	9/23/10 22:01	KLA	POI0464
1,2-Dibromoethane	BRL	mg/kg dry	0.0038	0.0011	1	*8260B	9/23/10 22:01	KLA	POI0464
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0038	0.0010	1	*8260B	9/23/10 22:01	KLA	POI0464
1,2-Dichloroethane	BRL	mg/kg dry	0.0038	0.0010	1	*8260B	9/23/10 22:01	KLA	POI0464
1,2-Dichloropropane	BRL	mg/kg dry	0.0038	0.0011	1	*8260B	9/23/10 22:01	KLA	POI0464
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0038	0.0010	1	*8260B	9/23/10 22:01	KLA	POI0464
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0038	0.00092	1	*8260B	9/23/10 22:01	KLA	POI0464
1,3-Dichloropropane	BRL	mg/kg dry	0.0038	0.00079	1	*8260B	9/23/10 22:01	KLA	POI0464
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0038	0.00095	1	*8260B	9/23/10 22:01	KLA	POI0464
2,2-Dichloropropane	BRL	mg/kg dry	0.0038	0.00091	1	*8260B	9/23/10 22:01	KLA	POI0464
2-Chlorotoluene	BRL	mg/kg dry	0.0038	0.00098	1	*8260B	9/23/10 22:01	KLA	POI0464
4-Chlorotoluene	BRL	mg/kg dry	0.0038	0.00095	1	*8260B	9/23/10 22:01	KLA	POI0464
4-Isopropyltoluene	BRL	mg/kg dry	0.0038	0.0011	1	*8260B	9/23/10 22:01	KLA	POI0464
Acetone	0.042	mg/kg dry	0.038	0.0017	1	*8260B	9/23/10 22:01	KLA	POI0464
Benzene	BRL	mg/kg dry	0.0023	0.0010	1	*8260B	9/23/10 22:01	KLA	POI0464
Bromobenzene	BRL	mg/kg dry	0.0038	0.00094	1	*8260B	9/23/10 22:01	KLA	POI0464
Bromochloromethane	BRL	mg/kg dry	0.0038	0.0010	1	*8260B	9/23/10 22:01	KLA	POI0464
Bromodichloromethane	BRL	mg/kg dry	0.0038	0.00088	1	*8260B	9/23/10 22:01	KLA	POI0464
Bromoform	BRL	mg/kg dry	0.0038	0.00084	1	*8260B	9/23/10 22:01	KLA	POI0464
Bromomethane	BRL	mg/kg dry	0.0077	0.00097	1	*8260B	9/23/10 22:01	KLA	POI0464
Carbon Tetrachloride	BRL	mg/kg dry	0.0038	0.0011	1	*8260B	9/23/10 22:01	KLA	POI0464
Chlorobenzene	BRL	mg/kg dry	0.0038	0.00087	1	*8260B	9/23/10 22:01	KLA	POI0464
Chloroethane	BRL	mg/kg dry	0.0077	0.0020	1	*8260B	9/23/10 22:01	KLA	POI0464
Chloroform	BRL	mg/kg dry	0.0038	0.00097	1	*8260B	9/23/10 22:01	KLA	POI0464
Chloromethane	BRL	mg/kg dry	0.0038	0.00091	1	*8260B	9/23/10 22:01	KLA	POI0464
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0038	0.00090	1	*8260B	9/23/10 22:01	KLA	POI0464

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-2 (1-2')
 Prism Sample ID: 0090532-02
 Prism Work Order: 0090532
 Time Collected: 09/21/10 11:20
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0038	0.00091	1	*8260B	9/23/10 22:01	KLA	POI0464
Dibromochloromethane	BRL	mg/kg dry	0.0038	0.00097	1	*8260B	9/23/10 22:01	KLA	POI0464
Dichlorodifluoromethane	BRL	mg/kg dry	0.0038	0.00079	1	*8260B	9/23/10 22:01	KLA	POI0464
Ethylbenzene	BRL	mg/kg dry	0.0038	0.00080	1	*8260B	9/23/10 22:01	KLA	POI0464
Isopropyl Ether	BRL	mg/kg dry	0.0038	0.00095	1	*8260B	9/23/10 22:01	KLA	POI0464
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0038	0.00086	1	*8260B	9/23/10 22:01	KLA	POI0464
m,p-Xylenes	BRL	mg/kg dry	0.0077	0.0020	1	*8260B	9/23/10 22:01	KLA	POI0464
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.038	0.0012	1	*8260B	9/23/10 22:01	KLA	POI0464
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.077	0.00099	1	*8260B	9/23/10 22:01	KLA	POI0464
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.038	0.00084	1	*8260B	9/23/10 22:01	KLA	POI0464
Methylene Chloride	BRL	mg/kg dry	0.0038	0.0010	1	*8260B	9/23/10 22:01	KLA	POI0464
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0077	0.00080	1	*8260B	9/23/10 22:01	KLA	POI0464
Naphthalene	BRL	mg/kg dry	0.0077	0.0021	1	*8260B	9/23/10 22:01	KLA	POI0464
n-Butylbenzene	BRL	mg/kg dry	0.0038	0.0014	1	*8260B	9/23/10 22:01	KLA	POI0464
n-Propylbenzene	BRL	mg/kg dry	0.0038	0.0011	1	*8260B	9/23/10 22:01	KLA	POI0464
o-Xylene	BRL	mg/kg dry	0.0038	0.00085	1	*8260B	9/23/10 22:01	KLA	POI0464
sec-Butylbenzene	BRL	mg/kg dry	0.0038	0.0010	1	*8260B	9/23/10 22:01	KLA	POI0464
Styrene	BRL	mg/kg dry	0.0038	0.00075	1	*8260B	9/23/10 22:01	KLA	POI0464
tert-Butylbenzene	BRL	mg/kg dry	0.0038	0.0010	1	*8260B	9/23/10 22:01	KLA	POI0464
Tetrachloroethylene	BRL	mg/kg dry	0.0038	0.00099	1	*8260B	9/23/10 22:01	KLA	POI0464
Toluene	BRL	mg/kg dry	0.0038	0.00094	1	*8260B	9/23/10 22:01	KLA	POI0464
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0038	0.00076	1	*8260B	9/23/10 22:01	KLA	POI0464
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0038	0.00077	1	*8260B	9/23/10 22:01	KLA	POI0464
Trichloroethylene	BRL	mg/kg dry	0.0038	0.0011	1	*8260B	9/23/10 22:01	KLA	POI0464
Trichlorofluoromethane	BRL	mg/kg dry	0.0038	0.0011	1	*8260B	9/23/10 22:01	KLA	POI0464
Vinyl acetate	BRL	mg/kg dry	0.019	0.0026	1	*8260B	9/23/10 22:01	KLA	POI0464
Vinyl chloride	BRL	mg/kg dry	0.0038	0.0010	1	*8260B	9/23/10 22:01	KLA	POI0464
Xylenes, total	BRL	mg/kg dry	0.012	0.0029	1	*8260B	9/23/10 22:01	KLA	POI0464

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	100 %	70-130
Dibromofluoromethane	99 %	84-123
Toluene-d8	95 %	76-129

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-3 (2-4')
 Prism Sample ID: 0090532-03
 Prism Work Order: 0090532
 Time Collected: 09/21/10 12:10
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	8.4	1.4	1	*8015C	9/29/10 21:50	JMV	P010580
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			80 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.4	0.57	50	*8015C	9/24/10 19:01	HPE	P010486
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			108 %		55-129	

General Chemistry Parameters

% Solids	83.1	% by Weight	0.100	0.100	1	*SM2540 G	9/27/10 14:00	JAB	P010546
Oil & Grease (HEM)	BRL	mg/kg dry	48	14	1	*9071B	9/29/10 15:00	GRR	P010515

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	BRL	mg/kg	0.050	0.0091	1	*8082A	9/28/10 8:47	JMV	P010526
Aroclor 1221	BRL	mg/kg	0.099	0.040	1	*8082A	9/28/10 8:47	JMV	P010526
Aroclor 1232	BRL	mg/kg	0.099	0.066	1	*8082A	9/28/10 8:47	JMV	P010526
Aroclor 1242	BRL	mg/kg	0.050	0.0040	1	*8082A	9/28/10 8:47	JMV	P010526
Aroclor 1248	BRL	mg/kg	0.050	0.0099	1	*8082A	9/28/10 8:47	JMV	P010526
Aroclor 1254	BRL	mg/kg	0.050	0.0067	1	*8082A	9/28/10 8:47	JMV	P010526
Aroclor 1260	BRL	mg/kg	0.050	0.013	1	*8082A	9/28/10 8:47	JMV	P010526
			Surrogate			Recovery		Control Limits	
			Tetrachloro-m-xylene			100 %		36-182	
			Decachlorobiphenyl			96 %		34-182	

Semivolatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 21:50	KC	P010591
1,2-Dichlorobenzene	BRL	mg/kg dry	0.40	0.091	1	*8270D	9/29/10 21:50	KC	P010591
1,3-Dichlorobenzene	BRL	mg/kg dry	0.40	0.092	1	*8270D	9/29/10 21:50	KC	P010591
1,4-Dichlorobenzene	BRL	mg/kg dry	0.40	0.090	1	*8270D	9/29/10 21:50	KC	P010591
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.40	0.097	1	*8270D	9/29/10 21:50	KC	P010591
2,4-Dichlorophenol	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 21:50	KC	P010591
2,4-Dimethylphenol	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 21:50	KC	P010591
2,4-Dinitrophenol	BRL	mg/kg dry	0.40	0.062	1	*8270D	9/29/10 21:50	KC	P010591
2,4-Dinitrotoluene	BRL	mg/kg dry	0.40	0.096	1	*8270D	9/29/10 21:50	KC	P010591
2,6-Dinitrotoluene	BRL	mg/kg dry	0.40	0.083	1	*8270D	9/29/10 21:50	KC	P010591
2-Chloronaphthalene	BRL	mg/kg dry	0.40	0.095	1	*8270D	9/29/10 21:50	KC	P010591
2-Chlorophenol	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 21:50	KC	P010591
2-Methylnaphthalene	BRL	mg/kg dry	0.40	0.12	1	*8270D	9/29/10 21:50	KC	P010591
2-Methylphenol	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 21:50	KC	P010591
2-Nitrophenol	BRL	mg/kg dry	0.40	0.090	1	*8270D	9/29/10 21:50	KC	P010591
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.40	0.097	1	*8270D	9/29/10 21:50	KC	P010591
3/4-Methylphenol	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 21:50	KC	P010591
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.40	0.064	1	*8270D	9/29/10 21:50	KC	P010591

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-3 (2-4')
 Prism Sample ID: 0090532-03
 Prism Work Order: 0090532
 Time Collected: 09/21/10 12:10
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.40	0.087	1	*8270D	9/29/10 21:50	KC	P0I0591
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.40	0.091	1	*8270D	9/29/10 21:50	KC	P0I0591
4-Chloroaniline	BRL	mg/kg dry	0.40	0.081	1	*8270D	9/29/10 21:50	KC	P0I0591
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.40	0.079	1	*8270D	9/29/10 21:50	KC	P0I0591
4-Nitrophenol	BRL	mg/kg dry	0.40	0.054	1	*8270D	9/29/10 21:50	KC	P0I0591
Acenaphthene	BRL	mg/kg dry	0.40	0.086	1	*8270D	9/29/10 21:50	KC	P0I0591
Acenaphthylene	BRL	mg/kg dry	0.40	0.091	1	*8270D	9/29/10 21:50	KC	P0I0591
Anthracene	BRL	mg/kg dry	0.40	0.091	1	*8270D	9/29/10 21:50	KC	P0I0591
Azobenzene	BRL	mg/kg dry	0.40	0.088	1	*8270D	9/29/10 21:50	KC	P0I0591
Benzo(a)anthracene	BRL	mg/kg dry	0.40	0.098	1	*8270D	9/29/10 21:50	KC	P0I0591
Benzo(a)pyrene	BRL	mg/kg dry	0.40	0.053	1	*8270D	9/29/10 21:50	KC	P0I0591
Benzo(b)fluoranthene	BRL	mg/kg dry	0.40	0.083	1	*8270D	9/29/10 21:50	KC	P0I0591
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.40	0.072	1	*8270D	9/29/10 21:50	KC	P0I0591
Benzo(k)fluoranthene	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 21:50	KC	P0I0591
Benzoic Acid	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 21:50	KC	P0I0591
Benzyl alcohol	BRL	mg/kg dry	0.40	0.099	1	*8270D	9/29/10 21:50	KC	P0I0591
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 21:50	KC	P0I0591
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 21:50	KC	P0I0591
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 21:50	KC	P0I0591
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.40	0.13	1	*8270D	9/29/10 21:50	KC	P0I0591
Butyl benzyl phthalate	BRL	mg/kg dry	0.40	0.12	1	*8270D	9/29/10 21:50	KC	P0I0591
Chrysene	BRL	mg/kg dry	0.40	0.089	1	*8270D	9/29/10 21:50	KC	P0I0591
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.40	0.092	1	*8270D	9/29/10 21:50	KC	P0I0591
Dibenzofuran	BRL	mg/kg dry	0.40	0.086	1	*8270D	9/29/10 21:50	KC	P0I0591
Diethyl phthalate	BRL	mg/kg dry	0.40	0.099	1	*8270D	9/29/10 21:50	KC	P0I0591
Dimethyl phthalate	BRL	mg/kg dry	0.40	0.092	1	*8270D	9/29/10 21:50	KC	P0I0591
Di-n-butyl phthalate	BRL	mg/kg dry	0.40	0.13	1	*8270D	9/29/10 21:50	KC	P0I0591
Di-n-octyl phthalate	BRL	mg/kg dry	0.40	0.13	1	*8270D	9/29/10 21:50	KC	P0I0591
Fluoranthene	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 21:50	KC	P0I0591
Fluorene	BRL	mg/kg dry	0.40	0.087	1	*8270D	9/29/10 21:50	KC	P0I0591
Hexachlorobenzene	BRL	mg/kg dry	0.40	0.089	1	*8270D	9/29/10 21:50	KC	P0I0591
Hexachlorobutadiene	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 21:50	KC	P0I0591
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.40	0.079	1	*8270D	9/29/10 21:50	KC	P0I0591
Hexachloroethane	BRL	mg/kg dry	0.40	0.094	1	*8270D	9/29/10 21:50	KC	P0I0591
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 21:50	KC	P0I0591
Isophorone	BRL	mg/kg dry	0.40	0.091	1	*8270D	9/29/10 21:50	KC	P0I0591
Naphthalene	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 21:50	KC	P0I0591
Nitrobenzene	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 21:50	KC	P0I0591
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.40	0.089	1	*8270D	9/29/10 21:50	KC	P0I0591
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.40	0.097	1	*8270D	9/29/10 21:50	KC	P0I0591
Pentachlorophenol	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 21:50	KC	P0I0591
Phenanthrene	BRL	mg/kg dry	0.40	0.088	1	*8270D	9/29/10 21:50	KC	P0I0591
Phenol	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 21:50	KC	P0I0591
Pyrene	BRL	mg/kg dry	0.40	0.096	1	*8270D	9/29/10 21:50	KC	P0I0591

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-3 (2-4')
 Prism Sample ID: 0090532-03
 Prism Work Order: 0090532
 Time Collected: 09/21/10 12:10
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
			Surrogate				Recovery		Control Limits
			2,4,6-Tribromophenol				88 %		34-134
			2-Fluorobiphenyl				82 %		17-122
			2-Fluorophenol				36 %		13-108
			Nitrobenzene-d5				72 %		11-118
			Phenol-d5				69 %		23-109
			Terphenyl-d14				86 %		41-156

Total Metals

Mercury	0.14	mg/kg dry	0.023	0.0034	1	*7471B	9/29/10 14:55	RWF	POI0582
Arsenic	BRL	mg/kg dry	0.60	0.067	1	*6010C	9/28/10 0:36	DJS	POI0487
Barium	44	mg/kg dry	0.60	0.089	1	*6010C	9/28/10 0:36	DJS	POI0487
Cadmium	1.5	mg/kg dry	0.30	0.032	1	*6010C	9/28/10 0:36	DJS	POI0487
Chromium	53	mg/kg dry	0.30	0.041	1	*6010C	9/28/10 0:36	DJS	POI0487
Lead	17	mg/kg dry	0.30	0.074	1	*6010C	9/28/10 0:36	DJS	POI0487
Selenium	BRL	mg/kg dry	0.60	0.12	1	*6010C	9/28/10 0:36	DJS	POI0487
Silver	BRL	mg/kg dry	0.30	0.030	1	*6010C	9/28/10 0:36	DJS	POI0487

Volatile Organic Compounds by GC/MS

1,1,1-Trichloroethane	BRL	mg/kg dry	0.0042	0.00096	1	*8260B	9/23/10 22:38	KLA	POI0464
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0042	0.0012	1	*8260B	9/23/10 22:38	KLA	POI0464
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0042	0.0012	1	*8260B	9/23/10 22:38	KLA	POI0464
1,1-Dichloroethane	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
1,1-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00099	1	*8260B	9/23/10 22:38	KLA	POI0464
1,1-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00087	1	*8260B	9/23/10 22:38	KLA	POI0464
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0042	0.0014	1	*8260B	9/23/10 22:38	KLA	POI0464
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0042	0.0017	1	*8260B	9/23/10 22:38	KLA	POI0464
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0042	0.0010	1	*8260B	9/23/10 22:38	KLA	POI0464
1,2-Dibromoethane	BRL	mg/kg dry	0.0042	0.0012	1	*8260B	9/23/10 22:38	KLA	POI0464
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
1,2-Dichloroethane	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
1,2-Dichloropropane	BRL	mg/kg dry	0.0042	0.0012	1	*8260B	9/23/10 22:38	KLA	POI0464
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.0010	1	*8260B	9/23/10 22:38	KLA	POI0464
1,3-Dichloropropane	BRL	mg/kg dry	0.0042	0.00086	1	*8260B	9/23/10 22:38	KLA	POI0464
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.0010	1	*8260B	9/23/10 22:38	KLA	POI0464
2,2-Dichloropropane	BRL	mg/kg dry	0.0042	0.00099	1	*8260B	9/23/10 22:38	KLA	POI0464
2-Chlorotoluene	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
4-Chlorotoluene	BRL	mg/kg dry	0.0042	0.0010	1	*8260B	9/23/10 22:38	KLA	POI0464
4-Isopropyltoluene	BRL	mg/kg dry	0.0042	0.0012	1	*8260B	9/23/10 22:38	KLA	POI0464
Acetone	BRL	mg/kg dry	0.042	0.0018	1	*8260B	9/23/10 22:38	KLA	POI0464
Benzene	BRL	mg/kg dry	0.0025	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
Bromobenzene	BRL	mg/kg dry	0.0042	0.0010	1	*8260B	9/23/10 22:38	KLA	POI0464
Bromochloromethane	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-3 (2-4')
 Prism Sample ID: 0090532-03
 Prism Work Order: 0090532
 Time Collected: 09/21/10 12:10
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bromodichloromethane	BRL	mg/kg dry	0.0042	0.00096	1	*8260B	9/23/10 22:38	KLA	POI0464
Bromoform	BRL	mg/kg dry	0.0042	0.00091	1	*8260B	9/23/10 22:38	KLA	POI0464
Bromomethane	BRL	mg/kg dry	0.0084	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
Carbon Tetrachloride	BRL	mg/kg dry	0.0042	0.0012	1	*8260B	9/23/10 22:38	KLA	POI0464
Chlorobenzene	BRL	mg/kg dry	0.0042	0.00095	1	*8260B	9/23/10 22:38	KLA	POI0464
Chloroethane	BRL	mg/kg dry	0.0084	0.0022	1	*8260B	9/23/10 22:38	KLA	POI0464
Chloroform	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
Chloromethane	BRL	mg/kg dry	0.0042	0.0010	1	*8260B	9/23/10 22:38	KLA	POI0464
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00098	1	*8260B	9/23/10 22:38	KLA	POI0464
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0042	0.0010	1	*8260B	9/23/10 22:38	KLA	POI0464
Dibromochloromethane	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
Dichlorodifluoromethane	BRL	mg/kg dry	0.0042	0.00087	1	*8260B	9/23/10 22:38	KLA	POI0464
Ethylbenzene	BRL	mg/kg dry	0.0042	0.00087	1	*8260B	9/23/10 22:38	KLA	POI0464
Isopropyl Ether	BRL	mg/kg dry	0.0042	0.0010	1	*8260B	9/23/10 22:38	KLA	POI0464
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0042	0.00094	1	*8260B	9/23/10 22:38	KLA	POI0464
m,p-Xylenes	BRL	mg/kg dry	0.0084	0.0022	1	*8260B	9/23/10 22:38	KLA	POI0464
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.042	0.0013	1	*8260B	9/23/10 22:38	KLA	POI0464
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.084	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.042	0.00091	1	*8260B	9/23/10 22:38	KLA	POI0464
Methylene Chloride	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0084	0.00087	1	*8260B	9/23/10 22:38	KLA	POI0464
Naphthalene	BRL	mg/kg dry	0.0084	0.0023	1	*8260B	9/23/10 22:38	KLA	POI0464
n-Butylbenzene	BRL	mg/kg dry	0.0042	0.0015	1	*8260B	9/23/10 22:38	KLA	POI0464
n-Propylbenzene	BRL	mg/kg dry	0.0042	0.0012	1	*8260B	9/23/10 22:38	KLA	POI0464
o-Xylene	BRL	mg/kg dry	0.0042	0.00093	1	*8260B	9/23/10 22:38	KLA	POI0464
sec-Butylbenzene	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
Styrene	BRL	mg/kg dry	0.0042	0.00082	1	*8260B	9/23/10 22:38	KLA	POI0464
tert-Butylbenzene	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
Tetrachloroethylene	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
Toluene	BRL	mg/kg dry	0.0042	0.0010	1	*8260B	9/23/10 22:38	KLA	POI0464
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00083	1	*8260B	9/23/10 22:38	KLA	POI0464
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00084	1	*8260B	9/23/10 22:38	KLA	POI0464
Trichloroethylene	BRL	mg/kg dry	0.0042	0.0012	1	*8260B	9/23/10 22:38	KLA	POI0464
Trichlorofluoromethane	BRL	mg/kg dry	0.0042	0.0012	1	*8260B	9/23/10 22:38	KLA	POI0464
Vinyl acetate	BRL	mg/kg dry	0.021	0.0029	1	*8260B	9/23/10 22:38	KLA	POI0464
Vinyl chloride	BRL	mg/kg dry	0.0042	0.0011	1	*8260B	9/23/10 22:38	KLA	POI0464
Xylenes, total	BRL	mg/kg dry	0.013	0.0032	1	*8260B	9/23/10 22:38	KLA	POI0464

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	99 %	70-130
Dibromofluoromethane	100 %	84-123
Toluene-d8	94 %	76-129

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-4 (1-2')
 Prism Sample ID: 0090532-04
 Prism Work Order: 0090532
 Time Collected: 09/21/10 14:25
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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General Chemistry Parameters

% Solids	85.4	% by Weight	0.100	0.100	1	*SM2540 G	9/27/10 14:00	JAB	P010546
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Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	BRL	mg/kg	0.050	0.0091	1	*8082A	9/29/10 14:07	JMV	P010526
Aroclor 1221	BRL	mg/kg	0.099	0.040	1	*8082A	9/29/10 14:07	JMV	P010526
Aroclor 1232	BRL	mg/kg	0.099	0.066	1	*8082A	9/29/10 14:07	JMV	P010526
Aroclor 1242	BRL	mg/kg	0.050	0.0040	1	*8082A	9/29/10 14:07	JMV	P010526
Aroclor 1248	BRL	mg/kg	0.050	0.0099	1	*8082A	9/29/10 14:07	JMV	P010526
Aroclor 1254	0.47	mg/kg	0.25	0.034	5	*8082A	9/29/10 15:46	JMV	P010526
Aroclor 1260	0.94	mg/kg	0.25	0.064	5	*8082A	9/29/10 15:46	JMV	P010526

Surrogate	Recovery	Control Limits
Tetrachloro-m-xylene	79 %	36-182
Decachlorobiphenyl	114 %	34-182

Semivolatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.39	0.10	1	*8270D	9/29/10 23:26	KC	P010591
1,2-Dichlorobenzene	BRL	mg/kg dry	0.39	0.089	1	*8270D	9/29/10 23:26	KC	P010591
1,3-Dichlorobenzene	BRL	mg/kg dry	0.39	0.090	1	*8270D	9/29/10 23:26	KC	P010591
1,4-Dichlorobenzene	BRL	mg/kg dry	0.39	0.088	1	*8270D	9/29/10 23:26	KC	P010591
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.39	0.095	1	*8270D	9/29/10 23:26	KC	P010591
2,4-Dichlorophenol	BRL	mg/kg dry	0.39	0.099	1	*8270D	9/29/10 23:26	KC	P010591
2,4-Dimethylphenol	BRL	mg/kg dry	0.39	0.10	1	*8270D	9/29/10 23:26	KC	P010591
2,4-Dinitrophenol	BRL	mg/kg dry	0.39	0.061	1	*8270D	9/29/10 23:26	KC	P010591
2,4-Dinitrotoluene	BRL	mg/kg dry	0.39	0.094	1	*8270D	9/29/10 23:26	KC	P010591
2,6-Dinitrotoluene	BRL	mg/kg dry	0.39	0.081	1	*8270D	9/29/10 23:26	KC	P010591
2-Chloronaphthalene	BRL	mg/kg dry	0.39	0.093	1	*8270D	9/29/10 23:26	KC	P010591
2-Chlorophenol	BRL	mg/kg dry	0.39	0.11	1	*8270D	9/29/10 23:26	KC	P010591
2-Methylnaphthalene	BRL	mg/kg dry	0.39	0.12	1	*8270D	9/29/10 23:26	KC	P010591
2-Methylphenol	BRL	mg/kg dry	0.39	0.097	1	*8270D	9/29/10 23:26	KC	P010591
2-Nitrophenol	BRL	mg/kg dry	0.39	0.088	1	*8270D	9/29/10 23:26	KC	P010591
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.39	0.095	1	*8270D	9/29/10 23:26	KC	P010591
3/4-Methylphenol	BRL	mg/kg dry	0.39	0.098	1	*8270D	9/29/10 23:26	KC	P010591
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.39	0.063	1	*8270D	9/29/10 23:26	KC	P010591
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.39	0.086	1	*8270D	9/29/10 23:26	KC	P010591
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.39	0.089	1	*8270D	9/29/10 23:26	KC	P010591
4-Chloroaniline	BRL	mg/kg dry	0.39	0.080	1	*8270D	9/29/10 23:26	KC	P010591
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.39	0.077	1	*8270D	9/29/10 23:26	KC	P010591
4-Nitrophenol	BRL	mg/kg dry	0.39	0.053	1	*8270D	9/29/10 23:26	KC	P010591
Acenaphthene	BRL	mg/kg dry	0.39	0.084	1	*8270D	9/29/10 23:26	KC	P010591
Acenaphthylene	BRL	mg/kg dry	0.39	0.089	1	*8270D	9/29/10 23:26	KC	P010591
Anthracene	BRL	mg/kg dry	0.39	0.089	1	*8270D	9/29/10 23:26	KC	P010591
Azobenzene	BRL	mg/kg dry	0.39	0.086	1	*8270D	9/29/10 23:26	KC	P010591
Benzo(a)anthracene	BRL	mg/kg dry	0.39	0.096	1	*8270D	9/29/10 23:26	KC	P010591

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-4 (1-2')
 Prism Sample ID: 0090532-04
 Prism Work Order: 0090532
 Time Collected: 09/21/10 14:25
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(a)pyrene	BRL	mg/kg dry	0.39	0.052	1	*8270D	9/29/10 23:26	KC	P0I0591
Benzo(b)fluoranthene	BRL	mg/kg dry	0.39	0.081	1	*8270D	9/29/10 23:26	KC	P0I0591
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.39	0.070	1	*8270D	9/29/10 23:26	KC	P0I0591
Benzo(k)fluoranthene	BRL	mg/kg dry	0.39	0.11	1	*8270D	9/29/10 23:26	KC	P0I0591
Benzoic Acid	BRL	mg/kg dry	0.39	0.10	1	*8270D	9/29/10 23:26	KC	P0I0591
Benzyl alcohol	BRL	mg/kg dry	0.39	0.097	1	*8270D	9/29/10 23:26	KC	P0I0591
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.39	0.10	1	*8270D	9/29/10 23:26	KC	P0I0591
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.39	0.11	1	*8270D	9/29/10 23:26	KC	P0I0591
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.39	0.10	1	*8270D	9/29/10 23:26	KC	P0I0591
Bis(2-Ethylhexyl)phthalate	17	mg/kg dry	3.9	1.2	10	*8270D	9/30/10 14:33	KC	P0I0591
Butyl benzyl phthalate	BRL	mg/kg dry	0.39	0.12	1	*8270D	9/29/10 23:26	KC	P0I0591
Chrysene	BRL	mg/kg dry	0.39	0.087	1	*8270D	9/29/10 23:26	KC	P0I0591
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.39	0.090	1	*8270D	9/29/10 23:26	KC	P0I0591
Dibenzofuran	BRL	mg/kg dry	0.39	0.084	1	*8270D	9/29/10 23:26	KC	P0I0591
Diethyl phthalate	BRL	mg/kg dry	0.39	0.097	1	*8270D	9/29/10 23:26	KC	P0I0591
Dimethyl phthalate	BRL	mg/kg dry	0.39	0.090	1	*8270D	9/29/10 23:26	KC	P0I0591
Di-n-butyl phthalate	3.4	mg/kg dry	0.39	0.13	1	*8270D	9/29/10 23:26	KC	P0I0591
Di-n-octyl phthalate	BRL	mg/kg dry	0.39	0.13	1	*8270D	9/29/10 23:26	KC	P0I0591
Fluoranthene	BRL	mg/kg dry	0.39	0.10	1	*8270D	9/29/10 23:26	KC	P0I0591
Fluorene	BRL	mg/kg dry	0.39	0.085	1	*8270D	9/29/10 23:26	KC	P0I0591
Hexachlorobenzene	BRL	mg/kg dry	0.39	0.087	1	*8270D	9/29/10 23:26	KC	P0I0591
Hexachlorobutadiene	BRL	mg/kg dry	0.39	0.099	1	*8270D	9/29/10 23:26	KC	P0I0591
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.39	0.077	1	*8270D	9/29/10 23:26	KC	P0I0591
Hexachloroethane	BRL	mg/kg dry	0.39	0.092	1	*8270D	9/29/10 23:26	KC	P0I0591
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.39	0.098	1	*8270D	9/29/10 23:26	KC	P0I0591
Isophorone	BRL	mg/kg dry	0.39	0.090	1	*8270D	9/29/10 23:26	KC	P0I0591
Naphthalene	BRL	mg/kg dry	0.39	0.10	1	*8270D	9/29/10 23:26	KC	P0I0591
Nitrobenzene	BRL	mg/kg dry	0.39	0.098	1	*8270D	9/29/10 23:26	KC	P0I0591
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.39	0.087	1	*8270D	9/29/10 23:26	KC	P0I0591
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.39	0.095	1	*8270D	9/29/10 23:26	KC	P0I0591
Pentachlorophenol	BRL	mg/kg dry	0.39	0.10	1	*8270D	9/29/10 23:26	KC	P0I0591
Phenanthrene	BRL	mg/kg dry	0.39	0.086	1	*8270D	9/29/10 23:26	KC	P0I0591
Phenol	BRL	mg/kg dry	0.39	0.10	1	*8270D	9/29/10 23:26	KC	P0I0591
Pyrene	BRL	mg/kg dry	0.39	0.094	1	*8270D	9/29/10 23:26	KC	P0I0591

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	92 %	34-134
2-Fluorobiphenyl	87 %	17-122
2-Fluorophenol	66 %	13-108
Nitrobenzene-d5	74 %	11-118
Phenol-d5	69 %	23-109
Terphenyl-d14	135 %	41-156

Total Metals

Mercury	0.50	mg/kg dry	0.023	0.0034	1	*7471B	9/29/10 15:00	RWF	P0I0582
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Hart & Hickman (Charlotte)
 Attn: David Graham
 2923 South Tryon St. Ste 100
 Charlotte, NC 28203

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-4 (1-2')
 Prism Sample ID: 0090532-04
 Prism Work Order: 0090532
 Time Collected: 09/21/10 14:25
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Arsenic	6.0	mg/kg dry	0.60	0.068	1	*6010C	9/27/10 23:35	DJS	POI0487
Barium	1900	mg/kg dry	30	4.4	50	*6010C	9/28/10 19:41	DJS	POI0487
Cadmium	16	mg/kg dry	0.30	0.032	1	*6010C	9/27/10 23:35	DJS	POI0487
Chromium	75	mg/kg dry	0.30	0.041	1	*6010C	9/27/10 23:35	DJS	POI0487
Lead	1300	mg/kg dry	15	3.7	50	*6010C	9/28/10 19:41	DJS	POI0487
Selenium	BRL	mg/kg dry	0.60	0.12	1	*6010C	9/27/10 23:35	DJS	POI0487
Silver	BRL	mg/kg dry	0.30	0.030	1	*6010C	9/27/10 23:35	DJS	POI0487

Volatile Organic Compounds by GC/MS

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0045	0.0010	1	*8260B	9/24/10 14:49	KLA	POI0464
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0045	0.0012	1	*8260B	9/24/10 14:49	KLA	POI0464
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0045	0.0013	1	*8260B	9/24/10 14:49	KLA	POI0464
1,1-Dichloroethane	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
1,1-Dichloroethylene	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
1,1-Dichloropropylene	BRL	mg/kg dry	0.0045	0.00093	1	*8260B	9/24/10 14:49	KLA	POI0464
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0045	0.0015	1	*8260B	9/24/10 14:49	KLA	POI0464
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0045	0.0019	1	*8260B	9/24/10 14:49	KLA	POI0464
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0045	0.0012	1	*8260B	9/24/10 14:49	KLA	POI0464
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
1,2-Dibromoethane	BRL	mg/kg dry	0.0045	0.0012	1	*8260B	9/24/10 14:49	KLA	POI0464
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0045	0.0012	1	*8260B	9/24/10 14:49	KLA	POI0464
1,2-Dichloroethane	BRL	mg/kg dry	0.0045	0.0012	1	*8260B	9/24/10 14:49	KLA	POI0464
1,2-Dichloropropane	BRL	mg/kg dry	0.0045	0.0013	1	*8260B	9/24/10 14:49	KLA	POI0464
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0045	0.0012	1	*8260B	9/24/10 14:49	KLA	POI0464
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
1,3-Dichloropropane	BRL	mg/kg dry	0.0045	0.00092	1	*8260B	9/24/10 14:49	KLA	POI0464
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
2,2-Dichloropropane	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
2-Chlorotoluene	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
4-Chlorotoluene	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
4-Isopropyltoluene	BRL	mg/kg dry	0.0045	0.0013	1	*8260B	9/24/10 14:49	KLA	POI0464
Acetone	BRL	mg/kg dry	0.045	0.0019	1	*8260B	9/24/10 14:49	KLA	POI0464
Benzene	BRL	mg/kg dry	0.0027	0.0012	1	*8260B	9/24/10 14:49	KLA	POI0464
Bromobenzene	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
Bromochloromethane	BRL	mg/kg dry	0.0045	0.0012	1	*8260B	9/24/10 14:49	KLA	POI0464
Bromodichloromethane	BRL	mg/kg dry	0.0045	0.0010	1	*8260B	9/24/10 14:49	KLA	POI0464
Bromoform	BRL	mg/kg dry	0.0045	0.00097	1	*8260B	9/24/10 14:49	KLA	POI0464
Bromomethane	BRL	mg/kg dry	0.0089	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
Carbon Tetrachloride	BRL	mg/kg dry	0.0045	0.0013	1	*8260B	9/24/10 14:49	KLA	POI0464
Chlorobenzene	BRL	mg/kg dry	0.0045	0.0010	1	*8260B	9/24/10 14:49	KLA	POI0464
Chloroethane	BRL	mg/kg dry	0.0089	0.0023	1	*8260B	9/24/10 14:49	KLA	POI0464
Chloroform	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
Chloromethane	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0045	0.0010	1	*8260B	9/24/10 14:49	KLA	POI0464

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-4 (1-2')
 Prism Sample ID: 0090532-04
 Prism Work Order: 0090532
 Time Collected: 09/21/10 14:25
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
Dibromochloromethane	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
Dichlorodifluoromethane	BRL	mg/kg dry	0.0045	0.00092	1	*8260B	9/24/10 14:49	KLA	POI0464
Ethylbenzene	BRL	mg/kg dry	0.0045	0.00093	1	*8260B	9/24/10 14:49	KLA	POI0464
Isopropyl Ether	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0045	0.0010	1	*8260B	9/24/10 14:49	KLA	POI0464
m,p-Xylenes	BRL	mg/kg dry	0.0089	0.0024	1	*8260B	9/24/10 14:49	KLA	POI0464
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.045	0.0013	1	*8260B	9/24/10 14:49	KLA	POI0464
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.089	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.045	0.00097	1	*8260B	9/24/10 14:49	KLA	POI0464
Methylene Chloride	BRL	mg/kg dry	0.0045	0.0012	1	*8260B	9/24/10 14:49	KLA	POI0464
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0089	0.00093	1	*8260B	9/24/10 14:49	KLA	POI0464
Naphthalene	BRL	mg/kg dry	0.0089	0.0024	1	*8260B	9/24/10 14:49	KLA	POI0464
n-Butylbenzene	BRL	mg/kg dry	0.0045	0.0016	1	*8260B	9/24/10 14:49	KLA	POI0464
n-Propylbenzene	BRL	mg/kg dry	0.0045	0.0013	1	*8260B	9/24/10 14:49	KLA	POI0464
o-Xylene	BRL	mg/kg dry	0.0045	0.00099	1	*8260B	9/24/10 14:49	KLA	POI0464
sec-Butylbenzene	BRL	mg/kg dry	0.0045	0.0012	1	*8260B	9/24/10 14:49	KLA	POI0464
Styrene	BRL	mg/kg dry	0.0045	0.00087	1	*8260B	9/24/10 14:49	KLA	POI0464
tert-Butylbenzene	BRL	mg/kg dry	0.0045	0.0012	1	*8260B	9/24/10 14:49	KLA	POI0464
Tetrachloroethylene	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
Toluene	BRL	mg/kg dry	0.0045	0.0011	1	*8260B	9/24/10 14:49	KLA	POI0464
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0045	0.00088	1	*8260B	9/24/10 14:49	KLA	POI0464
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0045	0.00089	1	*8260B	9/24/10 14:49	KLA	POI0464
Trichloroethylene	BRL	mg/kg dry	0.0045	0.0013	1	*8260B	9/24/10 14:49	KLA	POI0464
Trichlorofluoromethane	BRL	mg/kg dry	0.0045	0.0013	1	*8260B	9/24/10 14:49	KLA	POI0464
Vinyl acetate	BRL	mg/kg dry	0.022	0.0030	1	*8260B	9/24/10 14:49	KLA	POI0464
Vinyl chloride	BRL	mg/kg dry	0.0045	0.0012	1	*8260B	9/24/10 14:49	KLA	POI0464
Xylenes, total	BRL	mg/kg dry	0.013	0.0034	1	*8260B	9/24/10 14:49	KLA	POI0464

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	102 %	70-130
Dibromofluoromethane	105 %	84-123
Toluene-d8	98 %	76-129

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-5 (1-2')
 Prism Sample ID: 0090532-05
 Prism Work Order: 0090532
 Time Collected: 09/21/10 15:10
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	8.5	1.4	1	*8015C	9/29/10 23:01	JMV	P010580
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			82 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.5	0.58	50	*8015C	9/24/10 19:33	HPE	P010486
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			113 %		55-129	

General Chemistry Parameters

% Solids	82.6	% by Weight	0.100	0.100	1	*SM2540 G	9/27/10 14:00	JAB	P010546
Oil & Grease (HEM)	BRL	mg/kg dry	49	15	1	*9071B	9/29/10 15:00	GRR	P010515

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	BRL	mg/kg	0.049	0.0091	1	*8082A	9/28/10 9:29	JMV	P010526
Aroclor 1221	BRL	mg/kg	0.099	0.039	1	*8082A	9/28/10 9:29	JMV	P010526
Aroclor 1232	BRL	mg/kg	0.099	0.066	1	*8082A	9/28/10 9:29	JMV	P010526
Aroclor 1242	BRL	mg/kg	0.049	0.0039	1	*8082A	9/28/10 9:29	JMV	P010526
Aroclor 1248	BRL	mg/kg	0.049	0.0099	1	*8082A	9/28/10 9:29	JMV	P010526
Aroclor 1254	BRL	mg/kg	0.049	0.0067	1	*8082A	9/28/10 9:29	JMV	P010526
Aroclor 1260	BRL	mg/kg	0.049	0.013	1	*8082A	9/28/10 9:29	JMV	P010526
			Surrogate			Recovery		Control Limits	
			Tetrachloro-m-xylene			99 %		36-182	
			Decachlorobiphenyl			98 %		34-182	

Semivolatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 23:58	KC	P010591
1,2-Dichlorobenzene	BRL	mg/kg dry	0.40	0.091	1	*8270D	9/29/10 23:58	KC	P010591
1,3-Dichlorobenzene	BRL	mg/kg dry	0.40	0.092	1	*8270D	9/29/10 23:58	KC	P010591
1,4-Dichlorobenzene	BRL	mg/kg dry	0.40	0.090	1	*8270D	9/29/10 23:58	KC	P010591
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.40	0.096	1	*8270D	9/29/10 23:58	KC	P010591
2,4-Dichlorophenol	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 23:58	KC	P010591
2,4-Dimethylphenol	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 23:58	KC	P010591
2,4-Dinitrophenol	BRL	mg/kg dry	0.40	0.062	1	*8270D	9/29/10 23:58	KC	P010591
2,4-Dinitrotoluene	BRL	mg/kg dry	0.40	0.096	1	*8270D	9/29/10 23:58	KC	P010591
2,6-Dinitrotoluene	BRL	mg/kg dry	0.40	0.082	1	*8270D	9/29/10 23:58	KC	P010591
2-Chloronaphthalene	BRL	mg/kg dry	0.40	0.095	1	*8270D	9/29/10 23:58	KC	P010591
2-Chlorophenol	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 23:58	KC	P010591
2-Methylnaphthalene	BRL	mg/kg dry	0.40	0.12	1	*8270D	9/29/10 23:58	KC	P010591
2-Methylphenol	BRL	mg/kg dry	0.40	0.099	1	*8270D	9/29/10 23:58	KC	P010591
2-Nitrophenol	BRL	mg/kg dry	0.40	0.090	1	*8270D	9/29/10 23:58	KC	P010591
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.40	0.097	1	*8270D	9/29/10 23:58	KC	P010591
3/4-Methylphenol	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 23:58	KC	P010591
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.40	0.064	1	*8270D	9/29/10 23:58	KC	P010591

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-5 (1-2')
 Prism Sample ID: 0090532-05
 Prism Work Order: 0090532
 Time Collected: 09/21/10 15:10
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.40	0.087	1	*8270D	9/29/10 23:58	KC	P0I0591
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.40	0.091	1	*8270D	9/29/10 23:58	KC	P0I0591
4-Chloroaniline	BRL	mg/kg dry	0.40	0.081	1	*8270D	9/29/10 23:58	KC	P0I0591
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.40	0.078	1	*8270D	9/29/10 23:58	KC	P0I0591
4-Nitrophenol	BRL	mg/kg dry	0.40	0.054	1	*8270D	9/29/10 23:58	KC	P0I0591
Acenaphthene	BRL	mg/kg dry	0.40	0.086	1	*8270D	9/29/10 23:58	KC	P0I0591
Acenaphthylene	BRL	mg/kg dry	0.40	0.090	1	*8270D	9/29/10 23:58	KC	P0I0591
Anthracene	BRL	mg/kg dry	0.40	0.091	1	*8270D	9/29/10 23:58	KC	P0I0591
Azobenzene	BRL	mg/kg dry	0.40	0.088	1	*8270D	9/29/10 23:58	KC	P0I0591
Benzo(a)anthracene	BRL	mg/kg dry	0.40	0.098	1	*8270D	9/29/10 23:58	KC	P0I0591
Benzo(a)pyrene	BRL	mg/kg dry	0.40	0.053	1	*8270D	9/29/10 23:58	KC	P0I0591
Benzo(b)fluoranthene	BRL	mg/kg dry	0.40	0.083	1	*8270D	9/29/10 23:58	KC	P0I0591
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.40	0.072	1	*8270D	9/29/10 23:58	KC	P0I0591
Benzo(k)fluoranthene	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 23:58	KC	P0I0591
Benzoic Acid	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 23:58	KC	P0I0591
Benzyl alcohol	BRL	mg/kg dry	0.40	0.099	1	*8270D	9/29/10 23:58	KC	P0I0591
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 23:58	KC	P0I0591
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 23:58	KC	P0I0591
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 23:58	KC	P0I0591
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.40	0.13	1	*8270D	9/29/10 23:58	KC	P0I0591
Butyl benzyl phthalate	BRL	mg/kg dry	0.40	0.12	1	*8270D	9/29/10 23:58	KC	P0I0591
Chrysene	BRL	mg/kg dry	0.40	0.089	1	*8270D	9/29/10 23:58	KC	P0I0591
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.40	0.092	1	*8270D	9/29/10 23:58	KC	P0I0591
Dibenzofuran	BRL	mg/kg dry	0.40	0.086	1	*8270D	9/29/10 23:58	KC	P0I0591
Diethyl phthalate	BRL	mg/kg dry	0.40	0.099	1	*8270D	9/29/10 23:58	KC	P0I0591
Dimethyl phthalate	BRL	mg/kg dry	0.40	0.091	1	*8270D	9/29/10 23:58	KC	P0I0591
Di-n-butyl phthalate	BRL	mg/kg dry	0.40	0.13	1	*8270D	9/29/10 23:58	KC	P0I0591
Di-n-octyl phthalate	BRL	mg/kg dry	0.40	0.13	1	*8270D	9/29/10 23:58	KC	P0I0591
Fluoranthene	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 23:58	KC	P0I0591
Fluorene	BRL	mg/kg dry	0.40	0.087	1	*8270D	9/29/10 23:58	KC	P0I0591
Hexachlorobenzene	BRL	mg/kg dry	0.40	0.089	1	*8270D	9/29/10 23:58	KC	P0I0591
Hexachlorobutadiene	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 23:58	KC	P0I0591
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.40	0.079	1	*8270D	9/29/10 23:58	KC	P0I0591
Hexachloroethane	BRL	mg/kg dry	0.40	0.094	1	*8270D	9/29/10 23:58	KC	P0I0591
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 23:58	KC	P0I0591
Isophorone	BRL	mg/kg dry	0.40	0.091	1	*8270D	9/29/10 23:58	KC	P0I0591
Naphthalene	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 23:58	KC	P0I0591
Nitrobenzene	BRL	mg/kg dry	0.40	0.10	1	*8270D	9/29/10 23:58	KC	P0I0591
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.40	0.089	1	*8270D	9/29/10 23:58	KC	P0I0591
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.40	0.096	1	*8270D	9/29/10 23:58	KC	P0I0591
Pentachlorophenol	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 23:58	KC	P0I0591
Phenanthrene	BRL	mg/kg dry	0.40	0.088	1	*8270D	9/29/10 23:58	KC	P0I0591
Phenol	BRL	mg/kg dry	0.40	0.11	1	*8270D	9/29/10 23:58	KC	P0I0591
Pyrene	BRL	mg/kg dry	0.40	0.096	1	*8270D	9/29/10 23:58	KC	P0I0591

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-5 (1-2')
 Prism Sample ID: 0090532-05
 Prism Work Order: 0090532
 Time Collected: 09/21/10 15:10
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
			Surrogate			Recovery	Control Limits		
			2,4,6-Tribromophenol			101 %	34-134		
			2-Fluorobiphenyl			88 %	17-122		
			2-Fluorophenol			73 %	13-108		
			Nitrobenzene-d5			74 %	11-118		
			Phenol-d5			73 %	23-109		
			Terphenyl-d14			131 %	41-156		

Total Metals

Mercury	0.13	mg/kg dry	0.024	0.0035	1	*7471B	9/29/10 15:05	RWF	POI0582
Arsenic	1.4	mg/kg dry	0.59	0.067	1	*6010C	9/28/10 0:45	DJS	POI0487
Barium	90	mg/kg dry	0.59	0.088	1	*6010C	9/28/10 0:45	DJS	POI0487
Cadmium	1.2	mg/kg dry	0.30	0.031	1	*6010C	9/28/10 0:45	DJS	POI0487
Chromium	58	mg/kg dry	0.30	0.041	1	*6010C	9/28/10 0:45	DJS	POI0487
Lead	17	mg/kg dry	0.30	0.073	1	*6010C	9/28/10 0:45	DJS	POI0487
Selenium	BRL	mg/kg dry	0.59	0.12	1	*6010C	9/28/10 0:45	DJS	POI0487
Silver	BRL	mg/kg dry	0.30	0.030	1	*6010C	9/28/10 0:45	DJS	POI0487

Volatile Organic Compounds by GC/MS

1,1,1-Trichloroethane	BRL	mg/kg dry	0.0043	0.00098	1	*8260B	9/23/10 23:12	KLA	POI0464
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0043	0.0012	1	*8260B	9/23/10 23:12	KLA	POI0464
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0043	0.0012	1	*8260B	9/23/10 23:12	KLA	POI0464
1,1-Dichloroethane	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
1,1-Dichloroethylene	BRL	mg/kg dry	0.0043	0.0010	1	*8260B	9/23/10 23:12	KLA	POI0464
1,1-Dichloropropylene	BRL	mg/kg dry	0.0043	0.00089	1	*8260B	9/23/10 23:12	KLA	POI0464
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0043	0.0014	1	*8260B	9/23/10 23:12	KLA	POI0464
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0043	0.0018	1	*8260B	9/23/10 23:12	KLA	POI0464
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0043	0.0012	1	*8260B	9/23/10 23:12	KLA	POI0464
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
1,2-Dibromoethane	BRL	mg/kg dry	0.0043	0.0012	1	*8260B	9/23/10 23:12	KLA	POI0464
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0043	0.0012	1	*8260B	9/23/10 23:12	KLA	POI0464
1,2-Dichloroethane	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
1,2-Dichloropropane	BRL	mg/kg dry	0.0043	0.0013	1	*8260B	9/23/10 23:12	KLA	POI0464
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0043	0.0010	1	*8260B	9/23/10 23:12	KLA	POI0464
1,3-Dichloropropane	BRL	mg/kg dry	0.0043	0.00088	1	*8260B	9/23/10 23:12	KLA	POI0464
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
2,2-Dichloropropane	BRL	mg/kg dry	0.0043	0.0010	1	*8260B	9/23/10 23:12	KLA	POI0464
2-Chlorotoluene	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
4-Chlorotoluene	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
4-Isopropyltoluene	BRL	mg/kg dry	0.0043	0.0012	1	*8260B	9/23/10 23:12	KLA	POI0464
Acetone	0.064	mg/kg dry	0.043	0.0019	1	*8260B	9/23/10 23:12	KLA	POI0464
Benzene	BRL	mg/kg dry	0.0026	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
Bromobenzene	BRL	mg/kg dry	0.0043	0.0010	1	*8260B	9/23/10 23:12	KLA	POI0464

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-5 (1-2')
 Prism Sample ID: 0090532-05
 Prism Work Order: 0090532
 Time Collected: 09/21/10 15:10
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bromochloromethane	BRL	mg/kg dry	0.0043	0.0012	1	*8260B	9/23/10 23:12	KLA	POI0464
Bromodichloromethane	BRL	mg/kg dry	0.0043	0.00098	1	*8260B	9/23/10 23:12	KLA	POI0464
Bromoform	BRL	mg/kg dry	0.0043	0.00093	1	*8260B	9/23/10 23:12	KLA	POI0464
Bromomethane	BRL	mg/kg dry	0.0086	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
Carbon Tetrachloride	BRL	mg/kg dry	0.0043	0.0013	1	*8260B	9/23/10 23:12	KLA	POI0464
Chlorobenzene	BRL	mg/kg dry	0.0043	0.00097	1	*8260B	9/23/10 23:12	KLA	POI0464
Chloroethane	BRL	mg/kg dry	0.0086	0.0022	1	*8260B	9/23/10 23:12	KLA	POI0464
Chloroform	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
Chloromethane	BRL	mg/kg dry	0.0043	0.0010	1	*8260B	9/23/10 23:12	KLA	POI0464
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0043	0.0010	1	*8260B	9/23/10 23:12	KLA	POI0464
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0043	0.0010	1	*8260B	9/23/10 23:12	KLA	POI0464
Dibromochloromethane	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
Dichlorodifluoromethane	BRL	mg/kg dry	0.0043	0.00089	1	*8260B	9/23/10 23:12	KLA	POI0464
Ethylbenzene	BRL	mg/kg dry	0.0043	0.00089	1	*8260B	9/23/10 23:12	KLA	POI0464
Isopropyl Ether	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0043	0.00096	1	*8260B	9/23/10 23:12	KLA	POI0464
m,p-Xylenes	BRL	mg/kg dry	0.0086	0.0023	1	*8260B	9/23/10 23:12	KLA	POI0464
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.043	0.0013	1	*8260B	9/23/10 23:12	KLA	POI0464
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.086	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.043	0.00093	1	*8260B	9/23/10 23:12	KLA	POI0464
Methylene Chloride	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0086	0.00089	1	*8260B	9/23/10 23:12	KLA	POI0464
Naphthalene	BRL	mg/kg dry	0.0086	0.0023	1	*8260B	9/23/10 23:12	KLA	POI0464
n-Butylbenzene	BRL	mg/kg dry	0.0043	0.0016	1	*8260B	9/23/10 23:12	KLA	POI0464
n-Propylbenzene	BRL	mg/kg dry	0.0043	0.0012	1	*8260B	9/23/10 23:12	KLA	POI0464
o-Xylene	BRL	mg/kg dry	0.0043	0.00095	1	*8260B	9/23/10 23:12	KLA	POI0464
sec-Butylbenzene	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
Styrene	BRL	mg/kg dry	0.0043	0.00083	1	*8260B	9/23/10 23:12	KLA	POI0464
tert-Butylbenzene	BRL	mg/kg dry	0.0043	0.0012	1	*8260B	9/23/10 23:12	KLA	POI0464
Tetrachloroethylene	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
Toluene	BRL	mg/kg dry	0.0043	0.0010	1	*8260B	9/23/10 23:12	KLA	POI0464
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0043	0.00085	1	*8260B	9/23/10 23:12	KLA	POI0464
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0043	0.00086	1	*8260B	9/23/10 23:12	KLA	POI0464
Trichloroethylene	BRL	mg/kg dry	0.0043	0.0012	1	*8260B	9/23/10 23:12	KLA	POI0464
Trichlorofluoromethane	BRL	mg/kg dry	0.0043	0.0012	1	*8260B	9/23/10 23:12	KLA	POI0464
Vinyl acetate	BRL	mg/kg dry	0.021	0.0029	1	*8260B	9/23/10 23:12	KLA	POI0464
Vinyl chloride	BRL	mg/kg dry	0.0043	0.0011	1	*8260B	9/23/10 23:12	KLA	POI0464
Xylenes, total	BRL	mg/kg dry	0.013	0.0032	1	*8260B	9/23/10 23:12	KLA	POI0464

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	101 %	70-130
Dibromofluoromethane	102 %	84-123
Toluene-d8	93 %	76-129

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Water

Client Sample ID: DRUM
 Prism Sample ID: 0090532-06
 Prism Work Order: 0090532
 Time Collected: 09/21/10 16:15
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Aroclor 1016	BRL	ug/L	0.50	0.14	1	*8082A	9/25/10 0:26	JMV	P0I0483
Aroclor 1221	BRL	ug/L	1.0	0.11	1	*8082A	9/25/10 0:26	JMV	P0I0483
Aroclor 1232	0.66	ug/L	0.50	0.16	1	*8082A	9/25/10 0:26	JMV	P0I0483
Aroclor 1242	BRL	ug/L	0.50	0.14	1	*8082A	9/25/10 0:26	JMV	P0I0483
Aroclor 1248	BRL	ug/L	0.50	0.14	1	*8082A	9/25/10 0:26	JMV	P0I0483
Aroclor 1254	BRL	ug/L	0.50	0.16	1	*8082A	9/25/10 0:26	JMV	P0I0483
Aroclor 1260	BRL	ug/L	0.50	0.17	1	*8082A	9/25/10 0:26	JMV	P0I0483

Surrogate	Recovery	Control Limits
Tetrachloro-m-xylene	71 %	30-161
Decachlorobiphenyl	53 %	32-178

Semivolatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	ug/L	10	2.2	1	*8270D	9/23/10 18:48	KC	P0I0451
1,2-Dichlorobenzene	BRL	ug/L	10	1.8	1	*8270D	9/23/10 18:48	KC	P0I0451
1,3-Dichlorobenzene	BRL	ug/L	10	1.8	1	*8270D	9/23/10 18:48	KC	P0I0451
1,4-Dichlorobenzene	BRL	ug/L	10	2.0	1	*8270D	9/23/10 18:48	KC	P0I0451
2,4,5-Trichlorophenol	BRL	ug/L	10	2.5	1	*8270D	9/23/10 18:48	KC	P0I0451
2,4,6-Trichlorophenol	BRL	ug/L	10	2.3	1	*8270D	9/23/10 18:48	KC	P0I0451
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	*8270D	9/23/10 18:48	KC	P0I0451
2,4-Dimethylphenol	BRL	ug/L	10	2.4	1	*8270D	9/23/10 18:48	KC	P0I0451
2,4-Dinitrophenol	BRL	ug/L	10	2.4	1	*8270D	9/23/10 18:48	KC	P0I0451
2,4-Dinitrotoluene	BRL	ug/L	10	0.95	1	*8270D	9/23/10 18:48	KC	P0I0451
2,6-Dinitrotoluene	BRL	ug/L	10	1.6	1	*8270D	9/23/10 18:48	KC	P0I0451
2-Chloronaphthalene	BRL	ug/L	10	2.3	1	*8270D	9/23/10 18:48	KC	P0I0451
2-Chlorophenol	BRL	ug/L	10	2.1	1	*8270D	9/23/10 18:48	KC	P0I0451
2-Methylnaphthalene	BRL	ug/L	10	2.6	1	*8270D	9/23/10 18:48	KC	P0I0451
2-Methylphenol	BRL	ug/L	10	2.4	1	*8270D	9/23/10 18:48	KC	P0I0451
2-Nitroaniline	BRL	ug/L	10	1.9	1	*8270D	9/23/10 18:48	KC	P0I0451
2-Nitrophenol	BRL	ug/L	10	2.5	1	*8270D	9/23/10 18:48	KC	P0I0451
3,3'-Dichlorobenzidine	BRL	ug/L	10	0.96	1	*8270D	9/23/10 18:48	KC	P0I0451
3/4-Methylphenol	BRL	ug/L	10	2.4	1	*8270D	9/23/10 18:48	KC	P0I0451
3-Nitroaniline	BRL	ug/L	10	1.3	1	*8270D	9/23/10 18:48	KC	P0I0451
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.7	1	*8270D	9/23/10 18:48	KC	P0I0451
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	*8270D	9/23/10 18:48	KC	P0I0451
4-Chloro-3-methylphenol	BRL	ug/L	10	2.3	1	*8270D	9/23/10 18:48	KC	P0I0451
4-Chloroaniline	BRL	ug/L	10	2.5	1	*8270D	9/23/10 18:48	KC	P0I0451
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.8	1	*8270D	9/23/10 18:48	KC	P0I0451
4-Nitroaniline	BRL	ug/L	10	0.91	1	*8270D	9/23/10 18:48	KC	P0I0451
4-Nitrophenol	BRL	ug/L	10	2.6	1	*8270D	9/23/10 18:48	KC	P0I0451
Acenaphthene	BRL	ug/L	10	2.1	1	*8270D	9/23/10 18:48	KC	P0I0451
Acenaphthylene	BRL	ug/L	10	2.2	1	*8270D	9/23/10 18:48	KC	P0I0451
Aniline	BRL	ug/L	10	2.2	1	*8270D	9/23/10 18:48	KC	P0I0451
Anthracene	BRL	ug/L	10	1.2	1	*8270D	9/23/10 18:48	KC	P0I0451

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Water

Client Sample ID: DRUM
 Prism Sample ID: 0090532-06
 Prism Work Order: 0090532
 Time Collected: 09/21/10 16:15
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Azobenzene	BRL	ug/L	10	1.8	1	*8270D	9/23/10 18:48	KC	POI0451
Benzo(a)anthracene	BRL	ug/L	10	0.95	1	*8270D	9/23/10 18:48	KC	POI0451
Benzo(a)pyrene	BRL	ug/L	10	1.1	1	*8270D	9/23/10 18:48	KC	POI0451
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	*8270D	9/23/10 18:48	KC	POI0451
Benzo(g,h,i)perylene	BRL	ug/L	10	2.1	1	*8270D	9/23/10 18:48	KC	POI0451
Benzo(k)fluoranthene	BRL	ug/L	10	1.1	1	*8270D	9/23/10 18:48	KC	POI0451
Benzoic Acid	BRL	ug/L	100	50	1	*8270D	9/23/10 18:48	KC	POI0451
Benzy alcohol	12	ug/L	10	2.1	1	*8270D	9/23/10 18:48	KC	POI0451
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	*8270D	9/23/10 18:48	KC	POI0451
Bis(2-Chloroethyl)ether	BRL	ug/L	10	1.9	1	*8270D	9/23/10 18:48	KC	POI0451
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.3	1	*8270D	9/23/10 18:48	KC	POI0451
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.8	1	*8270D	9/23/10 18:48	KC	POI0451
Butyl benzyl phthalate	BRL	ug/L	10	1.5	1	*8270D	9/23/10 18:48	KC	POI0451
Chrysene	BRL	ug/L	10	1.2	1	*8270D	9/23/10 18:48	KC	POI0451
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.8	1	*8270D	9/23/10 18:48	KC	POI0451
Dibenzofuran	BRL	ug/L	10	2.2	1	*8270D	9/23/10 18:48	KC	POI0451
Diethyl phthalate	27	ug/L	10	1.4	1	*8270D	9/23/10 18:48	KC	POI0451
Dimethyl phthalate	BRL	ug/L	10	1.6	1	*8270D	9/23/10 18:48	KC	POI0451
Di-n-butyl phthalate	BRL	ug/L	10	1.8	1	*8270D	9/23/10 18:48	KC	POI0451
Di-n-octyl phthalate	BRL	ug/L	10	1.9	1	*8270D	9/23/10 18:48	KC	POI0451
Fluoranthene	BRL	ug/L	10	0.94	1	*8270D	9/23/10 18:48	KC	POI0451
Fluorene	BRL	ug/L	10	1.8	1	*8270D	9/23/10 18:48	KC	POI0451
Hexachlorobenzene	BRL	ug/L	10	1.4	1	*8270D	9/23/10 18:48	KC	POI0451
Hexachlorobutadiene	BRL	ug/L	10	2.3	1	*8270D	9/23/10 18:48	KC	POI0451
Hexachlorocyclopentadiene	BRL	ug/L	10	1.8	1	*8270D	9/23/10 18:48	KC	POI0451
Hexachloroethane	BRL	ug/L	10	1.9	1	*8270D	9/23/10 18:48	KC	POI0451
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	1.6	1	*8270D	9/23/10 18:48	KC	POI0451
Isophorone	BRL	ug/L	10	2.4	1	*8270D	9/23/10 18:48	KC	POI0451
Naphthalene	BRL	ug/L	10	2.3	1	*8270D	9/23/10 18:48	KC	POI0451
Nitrobenzene	BRL	ug/L	10	2.0	1	*8270D	9/23/10 18:48	KC	POI0451
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.3	1	*8270D	9/23/10 18:48	KC	POI0451
N-Nitrosodiphenylamine	BRL	ug/L	10	1.6	1	*8270D	9/23/10 18:48	KC	POI0451
Pentachlorophenol	BRL	ug/L	10	1.6	1	*8270D	9/23/10 18:48	KC	POI0451
Phenanthrene	BRL	ug/L	10	1.2	1	*8270D	9/23/10 18:48	KC	POI0451
Phenol	BRL	ug/L	10	2.2	1	*8270D	9/23/10 18:48	KC	POI0451
Pyrene	BRL	ug/L	10	1.4	1	*8270D	9/23/10 18:48	KC	POI0451

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	46 %	26-139
2-Fluorobiphenyl	75 %	41-112
2-Fluorophenol	18 %	10-48
Nitrobenzene-d5	65 %	34-102
Phenol-d5	12 %	10-34
Terphenyl-d14	72 %	31-165

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Water

Client Sample ID: DRUM
 Prism Sample ID: 0090532-06
 Prism Work Order: 0090532
 Time Collected: 09/21/10 16:15
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	0.00066	mg/L	0.00020	0.000089	1	*7470A	9/27/10 19:05	RWF	P010530
Arsenic	0.011	mg/L	0.010	0.0019	1	*6010C	9/27/10 21:08	DJS	P010512
Barium	0.63	mg/L	0.010	0.00064	1	*6010C	9/27/10 21:08	DJS	P010512
Cadmium	0.0043	mg/L	0.0010	0.00015	1	*6010C	9/27/10 21:08	DJS	P010512
Chromium	0.090	mg/L	0.0050	0.00051	1	*6010C	9/27/10 21:08	DJS	P010512
Lead	0.36	mg/L	0.0050	0.00057	1	*6010C	9/27/10 21:08	DJS	P010512
Selenium	0.025	mg/L	0.020	0.0028	1	*6010C	9/27/10 21:08	DJS	P010512
Silver	BRL	mg/L	0.0050	0.00036	1	*6010C	9/27/10 21:08	DJS	P010512
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	1.0	0.15	1	*8260B	9/29/10 0:06	LMW	P010558
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.063	1	*8260B	9/29/10 0:06	LMW	P010558
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.071	1	*8260B	9/29/10 0:06	LMW	P010558
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.17	1	*8260B	9/29/10 0:06	LMW	P010558
1,1-Dichloroethane	BRL	ug/L	1.0	0.096	1	*8260B	9/29/10 0:06	LMW	P010558
1,1-Dichloroethylene	BRL	ug/L	1.0	0.078	1	*8260B	9/29/10 0:06	LMW	P010558
1,1-Dichloropropylene	BRL	ug/L	1.0	0.061	1	*8260B	9/29/10 0:06	LMW	P010558
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.20	1	*8260B	9/29/10 0:06	LMW	P010558
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	*8260B	9/29/10 0:06	LMW	P010558
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.10	1	*8260B	9/29/10 0:06	LMW	P010558
1,2,4-Trimethylbenzene	BRL	ug/L	1.0	0.048	1	*8260B	9/29/10 0:06	LMW	P010558
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	*8260B	9/29/10 0:06	LMW	P010558
1,2-Dibromoethane	BRL	ug/L	1.0	0.14	1	*8260B	9/29/10 0:06	LMW	P010558
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	*8260B	9/29/10 0:06	LMW	P010558
1,2-Dichloroethane	BRL	ug/L	1.0	0.14	1	*8260B	9/29/10 0:06	LMW	P010558
1,2-Dichloropropane	BRL	ug/L	1.0	0.13	1	*8260B	9/29/10 0:06	LMW	P010558
1,3,5-Trimethylbenzene	BRL	ug/L	1.0	0.057	1	*8260B	9/29/10 0:06	LMW	P010558
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.074	1	*8260B	9/29/10 0:06	LMW	P010558
1,3-Dichloropropane	BRL	ug/L	1.0	0.11	1	*8260B	9/29/10 0:06	LMW	P010558
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.068	1	*8260B	9/29/10 0:06	LMW	P010558
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	9/29/10 0:06	LMW	P010558
2-Chloroethyl Vinyl Ether	BRL	ug/L	2.0	0.22	1	*8260B	9/29/10 0:06	LMW	P010558
2-Chlorotoluene	BRL	ug/L	1.0	0.038	1	*8260B	9/29/10 0:06	LMW	P010558
4-Chlorotoluene	BRL	ug/L	1.0	0.053	1	*8260B	9/29/10 0:06	LMW	P010558
4-Isopropyltoluene	BRL	ug/L	1.0	0.065	1	*8260B	9/29/10 0:06	LMW	P010558
Acetone	11	ug/L	10	0.62	1	*8260B	9/29/10 0:06	LMW	P010558
Acrolein	BRL	ug/L	100	1.1	1	*8260B	9/29/10 0:06	LMW	P010558
Acrylonitrile	BRL	ug/L	100	0.86	1	*8260B	9/29/10 0:06	LMW	P010558
Benzene	BRL	ug/L	1.0	0.072	1	*8260B	9/29/10 0:06	LMW	P010558
Bromobenzene	BRL	ug/L	1.0	0.064	1	*8260B	9/29/10 0:06	LMW	P010558
Bromochloromethane	BRL	ug/L	1.0	0.13	1	*8260B	9/29/10 0:06	LMW	P010558
Bromodichloromethane	BRL	ug/L	1.0	0.062	1	*8260B	9/29/10 0:06	LMW	P010558
Bromoform	BRL	ug/L	1.0	0.27	1	*8260B	9/29/10 0:06	LMW	P010558

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Water

Client Sample ID: DRUM
 Prism Sample ID: 0090532-06
 Prism Work Order: 0090532
 Time Collected: 09/21/10 16:15
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bromomethane	BRL	ug/L	3.0	0.47	1	*8260B	9/29/10 0:06	LMW	POI0558
Carbon disulfide	BRL	ug/L	5.0	1.4	1	*8260B	9/29/10 0:06	LMW	POI0558
Carbon Tetrachloride	BRL	ug/L	2.0	0.12	1	*8260B	9/29/10 0:06	LMW	POI0558
Chlorobenzene	BRL	ug/L	1.0	0.061	1	*8260B	9/29/10 0:06	LMW	POI0558
Chloroethane	BRL	ug/L	5.0	0.13	1	*8260B	9/29/10 0:06	LMW	POI0558
Chloroform	BRL	ug/L	1.0	0.089	1	*8260B	9/29/10 0:06	LMW	POI0558
Chloromethane	BRL	ug/L	2.0	0.11	1	*8260B	9/29/10 0:06	LMW	POI0558
cis-1,2-Dichloroethylene	BRL	ug/L	1.0	0.076	1	*8260B	9/29/10 0:06	LMW	POI0558
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.10	1	*8260B	9/29/10 0:06	LMW	POI0558
Dibromochloromethane	BRL	ug/L	1.0	0.30	1	*8260B	9/29/10 0:06	LMW	POI0558
Dibromomethane	BRL	ug/L	1.0	0.13	1	*8260B	9/29/10 0:06	LMW	POI0558
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	*8260B	9/29/10 0:06	LMW	POI0558
Ethylbenzene	BRL	ug/L	1.0	0.067	1	*8260B	9/29/10 0:06	LMW	POI0558
Hexachlorobutadiene	BRL	ug/L	2.0	0.36	1	*8260B	9/29/10 0:06	LMW	POI0558
Isopropyl Ether	BRL	ug/L	1.0	0.043	1	*8260B	9/29/10 0:06	LMW	POI0558
Isopropylbenzene (Cumene)	BRL	ug/L	1.0	0.072	1	*8260B	9/29/10 0:06	LMW	POI0558
m,p-Xylenes	BRL	ug/L	2.0	0.081	1	*8260B	9/29/10 0:06	LMW	POI0558
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	*8260B	9/29/10 0:06	LMW	POI0558
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	*8260B	9/29/10 0:06	LMW	POI0558
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	*8260B	9/29/10 0:06	LMW	POI0558
Methylene Chloride	BRL	ug/L	2.0	0.44	1	*8260B	9/29/10 0:06	LMW	POI0558
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.070	1	*8260B	9/29/10 0:06	LMW	POI0558
Naphthalene	BRL	ug/L	1.0	0.098	1	*8260B	9/29/10 0:06	LMW	POI0558
n-Butylbenzene	BRL	ug/L	1.0	0.11	1	*8260B	9/29/10 0:06	LMW	POI0558
n-Propylbenzene	BRL	ug/L	1.0	0.060	1	*8260B	9/29/10 0:06	LMW	POI0558
o-Xylene	BRL	ug/L	1.0	0.046	1	*8260B	9/29/10 0:06	LMW	POI0558
sec-Butylbenzene	BRL	ug/L	1.0	0.087	1	*8260B	9/29/10 0:06	LMW	POI0558
Styrene	BRL	ug/L	1.0	0.047	1	*8260B	9/29/10 0:06	LMW	POI0558
tert-Butylbenzene	BRL	ug/L	1.0	0.080	1	*8260B	9/29/10 0:06	LMW	POI0558
Tetrachloroethylene	BRL	ug/L	1.0	0.069	1	*8260B	9/29/10 0:06	LMW	POI0558
Toluene	BRL	ug/L	1.0	0.042	1	*8260B	9/29/10 0:06	LMW	POI0558
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.12	1	*8260B	9/29/10 0:06	LMW	POI0558
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.043	1	*8260B	9/29/10 0:06	LMW	POI0558
Trichloroethylene	BRL	ug/L	2.0	0.054	1	*8260B	9/29/10 0:06	LMW	POI0558
Trichlorofluoromethane	BRL	ug/L	2.0	0.088	1	*8260B	9/29/10 0:06	LMW	POI0558
Vinyl acetate	BRL	ug/L	20	0.10	1	*8260B	9/29/10 0:06	LMW	POI0558
Vinyl chloride	BRL	ug/L	2.0	0.16	1	*8260B	9/29/10 0:06	LMW	POI0558

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	101 %	80-124
Dibromofluoromethane	100 %	75-129
Toluene-d8	99 %	77-123

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-1 (0-1')
 Prism Sample ID: 0090532-07
 Prism Work Order: 0090532
 Time Collected: 09/21/10 09:40
 Time Submitted: 09/22/10 13:18

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	9/29/10 13:26	JMV	POI0526
Aroclor 1221	BRL	mg/kg	0.10	0.040	1	*8082A	9/29/10 13:26	JMV	POI0526
Aroclor 1232	BRL	mg/kg	0.10	0.067	1	*8082A	9/29/10 13:26	JMV	POI0526
Aroclor 1242	BRL	mg/kg	0.050	0.0040	1	*8082A	9/29/10 13:26	JMV	POI0526
Aroclor 1248	BRL	mg/kg	0.050	0.010	1	*8082A	9/29/10 13:26	JMV	POI0526
Aroclor 1254	0.75	mg/kg	0.50	0.068	10	*8082A	9/29/10 16:27	JMV	POI0526
Aroclor 1260	1.8	mg/kg	0.50	0.13	10	*8082A	9/29/10 16:27	JMV	POI0526

Surrogate	Recovery	Control Limits
Tetrachloro-m-xylene	73 %	36-182
Decachlorobiphenyl	95 %	34-182

TCLP Extraction by EPA 1311

TCLP Extraction	Complete	N/A			1	*1311	9/24/10 7:50	LTB	POI0471
TCLP Extraction	Complete	N/A			1	*1311 ZHE	9/25/10 9:00	ANG	POI0497

TCLP Metals

Mercury	BRL	mg/L	0.010	0.0000084	1	*7470A	9/27/10 18:00	RWF	POI0528
Arsenic	BRL	mg/L	0.050	0.0096	1	*6010C	9/28/10 2:07	DJS	POI0489
Barium	BRL	mg/L	5.0	0.0032	1	*6010C	9/28/10 2:07	DJS	POI0489
Cadmium	0.044	mg/L	0.025	0.00075	1	*6010C	9/28/10 2:07	DJS	POI0489
Chromium	BRL	mg/L	0.25	0.0026	1	*6010C	9/28/10 2:07	DJS	POI0489
Lead	BRL	mg/L	0.050	0.0028	1	*6010C	9/28/10 2:07	DJS	POI0489
Selenium	BRL	mg/L	0.10	0.014	1	*6010C	9/28/10 2:07	DJS	POI0489
Silver	BRL	mg/L	0.25	0.0018	1	*6010C	9/28/10 2:07	DJS	POI0489

TCLP Semivolatile Organic Compounds by GC/MS

2,4,5-Trichlorophenol	BRL	mg/L	0.25	0.010	1	*8270D	9/27/10 18:14	KC	POI0504
2,4,6-Trichlorophenol	BRL	mg/L	0.10	0.011	1	*8270D	9/27/10 18:14	KC	POI0504
2,4-Dinitrotoluene	BRL	mg/L	0.050	0.0059	1	*8270D	9/27/10 18:14	KC	POI0504
2-Methylphenol	BRL	mg/L	0.050	0.012	1	*8270D	9/27/10 18:14	KC	POI0504
3/4-Methylphenol	BRL	mg/L	0.050	0.0098	1	*8270D	9/27/10 18:14	KC	POI0504
Hexachlorobenzene	BRL	mg/L	0.050	0.0039	1	*8270D	9/27/10 18:14	KC	POI0504
Hexachlorobutadiene	BRL	mg/L	0.050	0.016	1	*8270D	9/27/10 18:14	KC	POI0504
Hexachloroethane	BRL	mg/L	0.050	0.018	1	*8270D	9/27/10 18:14	KC	POI0504
Nitrobenzene	BRL	mg/L	0.050	0.014	1	*8270D	9/27/10 18:14	KC	POI0504
Pentachlorophenol	BRL	mg/L	0.25	0.0092	1	*8270D	9/27/10 18:14	KC	POI0504
Pyridine	BRL	mg/L	0.25	0.011	1	*8270D	9/27/10 18:14	KC	POI0504

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	95 %	26-139
2-Fluorobiphenyl	72 %	41-112
2-Fluorophenol	30 %	10-48
Nitrobenzene-d5	60 %	34-102
Phenol-d5	16 %	10-34
Terphenyl-d14	104 %	31-165

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-1 (0-1')
 Prism Sample ID: 0090532-07
 Prism Work Order: 0090532
 Time Collected: 09/21/10 09:40
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
TCLP Volatile Organic Compounds by GC/MS									
1,1-Dichloroethylene	BRL	ug/L	35	0.78	10	*8260B	9/28/10 17:46	KLA	P0I0586
1,2-Dichloroethane	BRL	ug/L	25	1.4	10	*8260B	9/28/10 17:46	KLA	P0I0586
1,4-Dichlorobenzene	BRL	ug/L	380	0.68	10	*8260B	9/28/10 17:46	KLA	P0I0586
Benzene	BRL	ug/L	25	0.72	10	*8260B	9/28/10 17:46	KLA	P0I0586
Carbon Tetrachloride	BRL	ug/L	25	1.2	10	*8260B	9/28/10 17:46	KLA	P0I0586
Chlorobenzene	BRL	ug/L	5000	0.61	10	*8260B	9/28/10 17:46	KLA	P0I0586
Chloroform	BRL	ug/L	300	0.89	10	*8260B	9/28/10 17:46	KLA	P0I0586
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	10000	9.0	10	*8260B	9/28/10 17:46	KLA	P0I0586
Tetrachloroethylene	BRL	ug/L	35	0.69	10	*8260B	9/28/10 17:46	KLA	P0I0586
Trichloroethylene	BRL	ug/L	25	0.54	10	*8260B	9/28/10 17:46	KLA	P0I0586
Vinyl chloride	BRL	ug/L	20	1.6	10	*8260B	9/28/10 17:46	KLA	P0I0586

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	102 %	80-124
Dibromofluoromethane	93 %	75-129
Toluene-d8	99 %	77-123

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-2 (0-1')
 Prism Sample ID: 0090532-08
 Prism Work Order: 0090532
 Time Collected: 09/21/10 11:00
 Time Submitted: 09/22/10 13:18

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	1.0	0.18	20	*8082A	9/28/10 23:26	JMV	POI0526
Aroclor 1221	BRL	mg/kg	2.0	0.80	20	*8082A	9/28/10 23:26	JMV	POI0526
Aroclor 1232	BRL	mg/kg	2.0	1.3	20	*8082A	9/28/10 23:26	JMV	POI0526
Aroclor 1242	BRL	mg/kg	1.0	0.080	20	*8082A	9/28/10 23:26	JMV	POI0526
Aroclor 1248	BRL	mg/kg	1.0	0.20	20	*8082A	9/28/10 23:26	JMV	POI0526
Aroclor 1254	1.6	mg/kg	1.0	0.14	20	*8082A	9/28/10 23:26	JMV	POI0526
Aroclor 1260	BRL	mg/kg	1.0	0.26	20	*8082A	9/28/10 23:26	JMV	POI0526

Surrogate	Recovery	Control Limits
Tetrachloro-m-xylene	0 %	36-182 DO
Decachlorobiphenyl	0 %	34-182 DO

TCLP Extraction by EPA 1311

TCLP Extraction	Complete	N/A		1	*1311	9/24/10 7:50	LTB	POI0471
TCLP Extraction	Complete	N/A		1	*1311 ZHE	9/25/10 9:00	ANG	POI0497

TCLP Metals

Mercury	BRL	mg/L	0.010	0.0000084	1	*7470A	9/27/10 18:03	RWF	POI0528
Arsenic	BRL	mg/L	0.050	0.0096	1	*6010C	9/28/10 2:24	DJS	POI0489
Barium	BRL	mg/L	5.0	0.0032	1	*6010C	9/28/10 2:24	DJS	POI0489
Cadmium	0.30	mg/L	0.025	0.00075	1	*6010C	9/28/10 2:24	DJS	POI0489
Chromium	BRL	mg/L	0.25	0.0026	1	*6010C	9/28/10 2:24	DJS	POI0489
Lead	2.0	mg/L	0.050	0.0028	1	*6010C	9/28/10 2:24	DJS	POI0489
Selenium	BRL	mg/L	0.10	0.014	1	*6010C	9/28/10 2:24	DJS	POI0489
Silver	BRL	mg/L	0.25	0.0018	1	*6010C	9/28/10 2:24	DJS	POI0489

TCLP Semivolatile Organic Compounds by GC/MS

2,4,5-Trichlorophenol	BRL	mg/L	0.25	0.010	1	*8270D	9/27/10 18:45	KC	POI0504
2,4,6-Trichlorophenol	BRL	mg/L	0.10	0.011	1	*8270D	9/27/10 18:45	KC	POI0504
2,4-Dinitrotoluene	BRL	mg/L	0.050	0.0059	1	*8270D	9/27/10 18:45	KC	POI0504
2-Methylphenol	BRL	mg/L	0.050	0.012	1	*8270D	9/27/10 18:45	KC	POI0504
3/4-Methylphenol	BRL	mg/L	0.050	0.0098	1	*8270D	9/27/10 18:45	KC	POI0504
Hexachlorobenzene	BRL	mg/L	0.050	0.0039	1	*8270D	9/27/10 18:45	KC	POI0504
Hexachlorobutadiene	BRL	mg/L	0.050	0.016	1	*8270D	9/27/10 18:45	KC	POI0504
Hexachloroethane	BRL	mg/L	0.050	0.018	1	*8270D	9/27/10 18:45	KC	POI0504
Nitrobenzene	BRL	mg/L	0.050	0.014	1	*8270D	9/27/10 18:45	KC	POI0504
Pentachlorophenol	BRL	mg/L	0.25	0.0092	1	*8270D	9/27/10 18:45	KC	POI0504
Pyridine	BRL	mg/L	0.25	0.011	1	*8270D	9/27/10 18:45	KC	POI0504

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	95 %	26-139
2-Fluorobiphenyl	73 %	41-112
2-Fluorophenol	32 %	10-48
Nitrobenzene-d5	62 %	34-102
Phenol-d5	18 %	10-34
Terphenyl-d14	104 %	31-165

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

Project: ROW-309
Project No.: WBS# 35022.1.1
Sample Matrix: Solid

Client Sample ID: P-TP-2 (0-1')
Prism Sample ID: 0090532-08
Prism Work Order: 0090532
Time Collected: 09/21/10 11:00
Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
TCLP Volatile Organic Compounds by GC/MS									
1,1-Dichloroethylene	BRL	ug/L	35	0.78	10	*8260B	9/28/10 18:20	KLA	P0I0586
1,2-Dichloroethane	BRL	ug/L	25	1.4	10	*8260B	9/28/10 18:20	KLA	P0I0586
1,4-Dichlorobenzene	BRL	ug/L	380	0.68	10	*8260B	9/28/10 18:20	KLA	P0I0586
Benzene	BRL	ug/L	25	0.72	10	*8260B	9/28/10 18:20	KLA	P0I0586
Carbon Tetrachloride	BRL	ug/L	25	1.2	10	*8260B	9/28/10 18:20	KLA	P0I0586
Chlorobenzene	BRL	ug/L	5000	0.61	10	*8260B	9/28/10 18:20	KLA	P0I0586
Chloroform	BRL	ug/L	300	0.89	10	*8260B	9/28/10 18:20	KLA	P0I0586
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	10000	9.0	10	*8260B	9/28/10 18:20	KLA	P0I0586
Tetrachloroethylene	BRL	ug/L	35	0.69	10	*8260B	9/28/10 18:20	KLA	P0I0586
Trichloroethylene	BRL	ug/L	25	0.54	10	*8260B	9/28/10 18:20	KLA	P0I0586
Vinyl chloride	BRL	ug/L	20	1.6	10	*8260B	9/28/10 18:20	KLA	P0I0586

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	101 %	80-124
Dibromofluoromethane	95 %	75-129
Toluene-d8	98 %	77-123

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-3 (0-1')
 Prism Sample ID: 0090532-09
 Prism Work Order: 0090532
 Time Collected: 09/21/10 11:50
 Time Submitted: 09/22/10 13:18

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	0.049	0.0091	1	*8082A	9/30/10 14:13	JMV	POI0526
Aroclor 1221	BRL	mg/kg	0.099	0.040	1	*8082A	9/30/10 14:13	JMV	POI0526
Aroclor 1232	BRL	mg/kg	0.099	0.066	1	*8082A	9/30/10 14:13	JMV	POI0526
Aroclor 1242	BRL	mg/kg	0.049	0.0040	1	*8082A	9/30/10 14:13	JMV	POI0526
Aroclor 1248	BRL	mg/kg	0.049	0.0099	1	*8082A	9/30/10 14:13	JMV	POI0526
Aroclor 1254	0.23	mg/kg	0.049	0.0067	1	*8082A	9/30/10 14:13	JMV	POI0526
Aroclor 1260	0.27	mg/kg	0.049	0.013	1	*8082A	9/30/10 14:13	JMV	POI0526

Surrogate	Recovery	Control Limits
Tetrachloro-m-xylene	95 %	36-182
Decachlorobiphenyl	80 %	34-182

TCLP Extraction by EPA 1311

TCLP Extraction	Complete	N/A			1	*1311	9/24/10 7:50	LTB	POI0471
TCLP Extraction	Complete	N/A			1	*1311 ZHE	9/25/10 9:00	ANG	POI0497

TCLP Metals

Mercury	BRL	mg/L	0.010	0.0000084	1	*7470A	9/27/10 18:15	RWF	POI0528
Arsenic	BRL	mg/L	0.050	0.0096	1	*6010C	9/28/10 2:32	DJS	POI0489
Barium	BRL	mg/L	5.0	0.0032	1	*6010C	9/28/10 2:32	DJS	POI0489
Cadmium	0.32	mg/L	0.025	0.00075	1	*6010C	9/28/10 2:32	DJS	POI0489
Chromium	BRL	mg/L	0.25	0.0026	1	*6010C	9/28/10 2:32	DJS	POI0489
Lead	4.7	mg/L	0.050	0.0028	1	*6010C	9/28/10 2:32	DJS	POI0489
Selenium	BRL	mg/L	0.10	0.014	1	*6010C	9/28/10 2:32	DJS	POI0489
Silver	BRL	mg/L	0.25	0.0018	1	*6010C	9/28/10 2:32	DJS	POI0489

TCLP Semivolatile Organic Compounds by GC/MS

2,4,5-Trichlorophenol	BRL	mg/L	0.25	0.010	1	*8270D	9/27/10 19:16	KC	POI0504
2,4,6-Trichlorophenol	BRL	mg/L	0.10	0.011	1	*8270D	9/27/10 19:16	KC	POI0504
2,4-Dinitrotoluene	BRL	mg/L	0.050	0.0059	1	*8270D	9/27/10 19:16	KC	POI0504
2-Methylphenol	BRL	mg/L	0.050	0.012	1	*8270D	9/27/10 19:16	KC	POI0504
3/4-Methylphenol	BRL	mg/L	0.050	0.0098	1	*8270D	9/27/10 19:16	KC	POI0504
Hexachlorobenzene	BRL	mg/L	0.050	0.0039	1	*8270D	9/27/10 19:16	KC	POI0504
Hexachlorobutadiene	BRL	mg/L	0.050	0.016	1	*8270D	9/27/10 19:16	KC	POI0504
Hexachloroethane	BRL	mg/L	0.050	0.018	1	*8270D	9/27/10 19:16	KC	POI0504
Nitrobenzene	BRL	mg/L	0.050	0.014	1	*8270D	9/27/10 19:16	KC	POI0504
Pentachlorophenol	BRL	mg/L	0.25	0.0092	1	*8270D	9/27/10 19:16	KC	POI0504
Pyridine	BRL	mg/L	0.25	0.011	1	*8270D	9/27/10 19:16	KC	POI0504

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	103 %	26-139
2-Fluorobiphenyl	91 %	41-112
2-Fluorophenol	40 %	10-48
Nitrobenzene-d5	80 %	34-102
Phenol-d5	22 %	10-34
Terphenyl-d14	115 %	31-165

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-3 (0-1')
 Prism Sample ID: 0090532-09
 Prism Work Order: 0090532
 Time Collected: 09/21/10 11:50
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
TCLP Volatile Organic Compounds by GC/MS									
1,1-Dichloroethylene	BRL	ug/L	35	0.78	10	*8260B	9/28/10 18:54	KLA	P0I0586
1,2-Dichloroethane	BRL	ug/L	25	1.4	10	*8260B	9/28/10 18:54	KLA	P0I0586
1,4-Dichlorobenzene	BRL	ug/L	380	0.68	10	*8260B	9/28/10 18:54	KLA	P0I0586
Benzene	BRL	ug/L	25	0.72	10	*8260B	9/28/10 18:54	KLA	P0I0586
Carbon Tetrachloride	BRL	ug/L	25	1.2	10	*8260B	9/28/10 18:54	KLA	P0I0586
Chlorobenzene	BRL	ug/L	5000	0.61	10	*8260B	9/28/10 18:54	KLA	P0I0586
Chloroform	BRL	ug/L	300	0.89	10	*8260B	9/28/10 18:54	KLA	P0I0586
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	10000	9.0	10	*8260B	9/28/10 18:54	KLA	P0I0586
Tetrachloroethylene	BRL	ug/L	35	0.69	10	*8260B	9/28/10 18:54	KLA	P0I0586
Trichloroethylene	BRL	ug/L	25	0.54	10	*8260B	9/28/10 18:54	KLA	P0I0586
Vinyl chloride	BRL	ug/L	20	1.6	10	*8260B	9/28/10 18:54	KLA	P0I0586

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	102 %	80-124
Dibromofluoromethane	94 %	75-129
Toluene-d8	99 %	77-123

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-4 (0-1')
 Prism Sample ID: 0090532-10
 Prism Work Order: 0090532
 Time Collected: 09/21/10 14:15
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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General Chemistry Parameters

% Solids	87.7	% by Weight	0.100	0.100	1	*SM2540 G	9/27/10 14:00	JAB	P010546
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Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	BRL	mg/kg	0.049	0.0091	1	*8082A	9/29/10 12:45	JMV	P010526
Aroclor 1221	BRL	mg/kg	0.099	0.040	1	*8082A	9/29/10 12:45	JMV	P010526
Aroclor 1232	BRL	mg/kg	0.099	0.066	1	*8082A	9/29/10 12:45	JMV	P010526
Aroclor 1242	0.20	mg/kg	0.049	0.0040	1	*8082A	9/29/10 12:45	JMV	P010526
Aroclor 1248	BRL	mg/kg	0.049	0.0099	1	*8082A	9/29/10 12:45	JMV	P010526
Aroclor 1254	0.31	mg/kg	0.049	0.0067	1	*8082A	9/29/10 12:45	JMV	P010526
Aroclor 1260	0.31	mg/kg	0.049	0.013	1	*8082A	9/29/10 12:45	JMV	P010526

Surrogate	Recovery	Control Limits
Tetrachloro-m-xylene	77 %	36-182
Decachlorobiphenyl	92 %	34-182

TCLP Extraction by EPA 1311

TCLP Extraction	Complete	N/A			1	*1311	9/24/10 7:50	LTB	P010471
TCLP Extraction	Complete	N/A			1	*1311 ZHE	9/29/10 10:00	ANG	P010581

TCLP Metals

Mercury	BRL	mg/L	0.010	0.0000084	1	*7470A	9/27/10 18:19	RWF	P010528
Arsenic	BRL	mg/L	0.050	0.0096	1	*6010C	9/28/10 2:40	DJS	P010489
Barium	BRL	mg/L	5.0	0.0032	1	*6010C	9/28/10 2:40	DJS	P010489
Cadmium	0.41	mg/L	0.025	0.00075	1	*6010C	9/28/10 2:40	DJS	P010489
Chromium	BRL	mg/L	0.25	0.0026	1	*6010C	9/28/10 2:40	DJS	P010489
Lead	5.3	mg/L	0.050	0.0028	1	*6010C	9/28/10 2:40	DJS	P010489
Selenium	BRL	mg/L	0.10	0.014	1	*6010C	9/28/10 2:40	DJS	P010489
Silver	BRL	mg/L	0.25	0.0018	1	*6010C	9/28/10 2:40	DJS	P010489

TCLP Semivolatile Organic Compounds by GC/MS

2,4,5-Trichlorophenol	BRL	mg/L	0.25	0.010	1	*8270D	9/27/10 19:47	KC	P010504
2,4,6-Trichlorophenol	BRL	mg/L	0.10	0.011	1	*8270D	9/27/10 19:47	KC	P010504
2,4-Dinitrotoluene	BRL	mg/L	0.050	0.0059	1	*8270D	9/27/10 19:47	KC	P010504
2-Methylphenol	BRL	mg/L	0.050	0.012	1	*8270D	9/27/10 19:47	KC	P010504
3/4-Methylphenol	BRL	mg/L	0.050	0.0098	1	*8270D	9/27/10 19:47	KC	P010504
Hexachlorobenzene	BRL	mg/L	0.050	0.0039	1	*8270D	9/27/10 19:47	KC	P010504
Hexachlorobutadiene	BRL	mg/L	0.050	0.016	1	*8270D	9/27/10 19:47	KC	P010504
Hexachloroethane	BRL	mg/L	0.050	0.018	1	*8270D	9/27/10 19:47	KC	P010504
Nitrobenzene	BRL	mg/L	0.050	0.014	1	*8270D	9/27/10 19:47	KC	P010504
Pentachlorophenol	BRL	mg/L	0.25	0.0092	1	*8270D	9/27/10 19:47	KC	P010504
Pyridine	BRL	mg/L	0.25	0.011	1	*8270D	9/27/10 19:47	KC	P010504

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	100 %	26-139
2-Fluorobiphenyl	78 %	41-112
2-Fluorophenol	33 %	10-48

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

Project: ROW-309
Project No.: WBS# 35022.1.1
Sample Matrix: Solid

Client Sample ID: P-TP-4 (0-1')
Prism Sample ID: 0090532-10
Prism Work Order: 0090532
Time Collected: 09/21/10 14:15
Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
			Nitrobenzene-d5				68 %	34-102	
			Phenol-d5				18 %	10-34	
			Terphenyl-d14				109 %	31-165	

TCLP Volatile Organic Compounds by GC/MS

1,1-Dichloroethylene	BRL	ug/L	35	0.78	10	*8260B	9/29/10 14:08	KLA	POI0586
1,2-Dichloroethane	BRL	ug/L	25	1.4	10	*8260B	9/29/10 14:08	KLA	POI0586
1,4-Dichlorobenzene	BRL	ug/L	380	0.68	10	*8260B	9/29/10 14:08	KLA	POI0586
Benzene	BRL	ug/L	25	0.72	10	*8260B	9/29/10 14:08	KLA	POI0586
Carbon Tetrachloride	BRL	ug/L	25	1.2	10	*8260B	9/29/10 14:08	KLA	POI0586
Chlorobenzene	BRL	ug/L	5000	0.61	10	*8260B	9/29/10 14:08	KLA	POI0586
Chloroform	BRL	ug/L	300	0.89	10	*8260B	9/29/10 14:08	KLA	POI0586
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	10000	9.0	10	*8260B	9/29/10 14:08	KLA	POI0586
Tetrachloroethylene	BRL	ug/L	35	0.69	10	*8260B	9/29/10 14:08	KLA	POI0586
Trichloroethylene	BRL	ug/L	25	0.54	10	*8260B	9/29/10 14:08	KLA	POI0586
Vinyl chloride	BRL	ug/L	20	1.6	10	*8260B	9/29/10 14:08	KLA	POI0586

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	102 %	80-124
Dibromofluoromethane	94 %	75-129
Toluene-d8	98 %	77-123

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-5 (0-1')
 Prism Sample ID: 0090532-11
 Prism Work Order: 0090532
 Time Collected: 09/21/10 14:55
 Time Submitted: 09/22/10 13:18

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	9/28/10 11:35	JMV	P0I0526
Aroclor 1221	BRL	mg/kg	0.099	0.040	1	*8082A	9/28/10 11:35	JMV	P0I0526
Aroclor 1232	BRL	mg/kg	0.099	0.067	1	*8082A	9/28/10 11:35	JMV	P0I0526
Aroclor 1242	BRL	mg/kg	0.050	0.0040	1	*8082A	9/28/10 11:35	JMV	P0I0526
Aroclor 1248	BRL	mg/kg	0.050	0.0099	1	*8082A	9/28/10 11:35	JMV	P0I0526
Aroclor 1254	BRL	mg/kg	0.050	0.0068	1	*8082A	9/28/10 11:35	JMV	P0I0526
Aroclor 1260	BRL	mg/kg	0.050	0.013	1	*8082A	9/28/10 11:35	JMV	P0I0526

Surrogate	Recovery	Control Limits
Tetrachloro-m-xylene	101 %	36-182
Decachlorobiphenyl	108 %	34-182

TCLP Extraction by EPA 1311

TCLP Extraction	Complete	N/A			1	*1311	9/24/10 7:50	LTB	P0I0471
TCLP Extraction	Complete	N/A			1	*1311 ZHE	9/29/10 10:00	ANG	P0I0581

TCLP Metals

Mercury	BRL	mg/L	0.010	0.0000084	1	*7470A	9/27/10 18:23	RWF	P0I0528
Arsenic	BRL	mg/L	0.050	0.0096	1	*6010C	9/28/10 2:48	DJS	P0I0489
Barium	BRL	mg/L	5.0	0.0032	1	*6010C	9/28/10 2:48	DJS	P0I0489
Cadmium	BRL	mg/L	0.025	0.00075	1	*6010C	9/28/10 2:48	DJS	P0I0489
Chromium	BRL	mg/L	0.25	0.0026	1	*6010C	9/28/10 2:48	DJS	P0I0489
Lead	0.23	mg/L	0.050	0.0028	1	*6010C	9/28/10 2:48	DJS	P0I0489
Selenium	BRL	mg/L	0.10	0.014	1	*6010C	9/28/10 2:48	DJS	P0I0489
Silver	BRL	mg/L	0.25	0.0018	1	*6010C	9/28/10 2:48	DJS	P0I0489

TCLP Semivolatile Organic Compounds by GC/MS

2,4,5-Trichlorophenol	BRL	mg/L	0.25	0.010	1	*8270D	9/27/10 20:18	KC	P0I0504
2,4,6-Trichlorophenol	BRL	mg/L	0.10	0.011	1	*8270D	9/27/10 20:18	KC	P0I0504
2,4-Dinitrotoluene	BRL	mg/L	0.050	0.0059	1	*8270D	9/27/10 20:18	KC	P0I0504
2-Methylphenol	BRL	mg/L	0.050	0.012	1	*8270D	9/27/10 20:18	KC	P0I0504
3/4-Methylphenol	BRL	mg/L	0.050	0.0098	1	*8270D	9/27/10 20:18	KC	P0I0504
Hexachlorobenzene	BRL	mg/L	0.050	0.0039	1	*8270D	9/27/10 20:18	KC	P0I0504
Hexachlorobutadiene	BRL	mg/L	0.050	0.016	1	*8270D	9/27/10 20:18	KC	P0I0504
Hexachloroethane	BRL	mg/L	0.050	0.018	1	*8270D	9/27/10 20:18	KC	P0I0504
Nitrobenzene	BRL	mg/L	0.050	0.014	1	*8270D	9/27/10 20:18	KC	P0I0504
Pentachlorophenol	BRL	mg/L	0.25	0.0092	1	*8270D	9/27/10 20:18	KC	P0I0504
Pyridine	BRL	mg/L	0.25	0.011	1	*8270D	9/27/10 20:18	KC	P0I0504

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	93 %	26-139
2-Fluorobiphenyl	72 %	41-112
2-Fluorophenol	35 %	10-48
Nitrobenzene-d5	65 %	34-102
Phenol-d5	19 %	10-34
Terphenyl-d14	102 %	31-165

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

Project: ROW-309
 Project No.: WBS# 35022.1.1
 Sample Matrix: Solid

Client Sample ID: P-TP-5 (0-1')
 Prism Sample ID: 0090532-11
 Prism Work Order: 0090532
 Time Collected: 09/21/10 14:55
 Time Submitted: 09/22/10 13:18

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
TCLP Volatile Organic Compounds by GC/MS									
1,1-Dichloroethylene	BRL	ug/L	35	0.78	10	*8260B	9/29/10 15:16	KLA	P0I0586
1,2-Dichloroethane	BRL	ug/L	25	1.4	10	*8260B	9/29/10 15:16	KLA	P0I0586
1,4-Dichlorobenzene	BRL	ug/L	380	0.68	10	*8260B	9/29/10 15:16	KLA	P0I0586
Benzene	BRL	ug/L	25	0.72	10	*8260B	9/29/10 15:16	KLA	P0I0586
Carbon Tetrachloride	BRL	ug/L	25	1.2	10	*8260B	9/29/10 15:16	KLA	P0I0586
Chlorobenzene	BRL	ug/L	5000	0.61	10	*8260B	9/29/10 15:16	KLA	P0I0586
Chloroform	BRL	ug/L	300	0.89	10	*8260B	9/29/10 15:16	KLA	P0I0586
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	10000	9.0	10	*8260B	9/29/10 15:16	KLA	P0I0586
Tetrachloroethylene	BRL	ug/L	35	0.69	10	*8260B	9/29/10 15:16	KLA	P0I0586
Trichloroethylene	BRL	ug/L	25	0.54	10	*8260B	9/29/10 15:16	KLA	P0I0586
Vinyl chloride	BRL	ug/L	20	1.6	10	*8260B	9/29/10 15:16	KLA	P0I0586

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	101 %	80-124
Dibromofluoromethane	92 %	75-129
Toluene-d8	98 %	77-123

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

Project: ROW-309
 Project No: WBS# 35022.1.1

Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

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 P010464 - 5035										
Blank (P010464-BLK1)										
Prepared & Analyzed: 09/23/10										
1,1,1-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1,1,2-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							
1,3-Dichloropropane	BRL	0.0050	mg/kg wet							
1,4-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							
Methyl Ethyl Ketone (2-Butanone)	BRL	0.10	mg/kg wet							
Methyl Isobutyl Ketone	BRL	0.050	mg/kg wet							
Methylene Chloride	BRL	0.0050	mg/kg wet							

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

Project: ROW-309
 Project No: WBS# 35022.1.1

Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P010464 - 5035

Blank (P010464-BLK1)

Prepared & Analyzed: 09/23/10

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							
<i>Surrogate: 4-Bromofluorobenzene</i>	51.0		ug/L	50.0		102	70-130			
<i>Surrogate: Dibromofluoromethane</i>	48.3		ug/L	50.0		97	84-123			
<i>Surrogate: Toluene-d8</i>	48.5		ug/L	50.0		97	76-129			

LCS (P010464-BS1)

Prepared & Analyzed: 09/23/10

1,1-Dichloroethylene	0.0501	0.0050	mg/kg wet	0.0500		100	67-149			
Benzene	0.0487	0.0030	mg/kg wet	0.0500		97	74-127			
Chlorobenzene	0.0456	0.0050	mg/kg wet	0.0500		91	74-118			
Toluene	0.0471	0.0050	mg/kg wet	0.0500		94	71-129			
Trichloroethylene	0.0514	0.0050	mg/kg wet	0.0500		103	75-133			
<i>Surrogate: 4-Bromofluorobenzene</i>	50.7		ug/L	50.0		101	70-130			
<i>Surrogate: Dibromofluoromethane</i>	47.8		ug/L	50.0		96	84-123			
<i>Surrogate: Toluene-d8</i>	48.1		ug/L	50.0		96	76-129			

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

Project: ROW-309
Project No: WBS# 35022.1.1

Prism Work Order: 0090532
Time Submitted: 9/22/10 1:18:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0I0464 - 5035

LCS Dup (P0I0464-BSD1)

Prepared & Analyzed: 09/23/10

1,1-Dichloroethylene	0.0464	0.0050	mg/kg wet	0.0500		93	67-149	8	200	
Benzene	0.0465	0.0030	mg/kg wet	0.0500		93	74-127	5	200	
Chlorobenzene	0.0432	0.0050	mg/kg wet	0.0500		86	74-118	5	200	
Toluene	0.0446	0.0050	mg/kg wet	0.0500		89	71-129	5	200	
Trichloroethylene	0.0490	0.0050	mg/kg wet	0.0500		98	75-133	5	200	
Surrogate: 4-Bromofluorobenzene	51.8		ug/L	50.0		104	70-130			
Surrogate: Dibromofluoromethane	47.8		ug/L	50.0		96	84-123			
Surrogate: Toluene-d8	47.7		ug/L	50.0		95	76-129			

Batch P0I0558 - 5030B

Blank (P0I0558-BLK1)

Prepared & Analyzed: 09/28/10

1,1,1,2-Tetrachloroethane	BRL	1.0	ug/L							
1,1,1-Trichloroethane	BRL	1.0	ug/L							
1,1,2,2-Tetrachloroethane	BRL	1.0	ug/L							
1,1,2-Trichloroethane	BRL	1.0	ug/L							
1,1-Dichloroethane	BRL	1.0	ug/L							
1,1-Dichloroethylene	BRL	1.0	ug/L							
1,1-Dichloropropylene	BRL	1.0	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2,4-Trimethylbenzene	BRL	1.0	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	1.0	ug/L							
1,2-Dichlorobenzene	BRL	1.0	ug/L							
1,2-Dichloroethane	BRL	1.0	ug/L							
1,2-Dichloropropane	BRL	1.0	ug/L							
1,3,5-Trimethylbenzene	BRL	1.0	ug/L							
1,3-Dichlorobenzene	BRL	1.0	ug/L							
1,3-Dichloropropane	BRL	1.0	ug/L							
1,4-Dichlorobenzene	BRL	1.0	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chloroethyl Vinyl Ether	BRL	2.0	ug/L							
2-Chlorotoluene	BRL	1.0	ug/L							
4-Chlorotoluene	BRL	1.0	ug/L							
4-Isopropyltoluene	BRL	1.0	ug/L							
Acetone	BRL	10	ug/L							
Acrolein	BRL	100	ug/L							
Acrylonitrile	BRL	100	ug/L							
Benzene	BRL	1.0	ug/L							
Bromobenzene	BRL	1.0	ug/L							
Bromochloromethane	BRL	1.0	ug/L							
Bromodichloromethane	BRL	1.0	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	3.0	ug/L							
Carbon disulfide	BRL	5.0	ug/L							

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

Project: ROW-309
Project No: WBS# 35022.1.1

Prism Work Order: 0090532
Time Submitted: 9/22/10 1:18:00PM

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 P0I0558 - 5030B										
Blank (P0I0558-BLK1)										
Prepared & Analyzed: 09/28/10										
Carbon Tetrachloride	BRL	2.0	ug/L							
Chlorobenzene	BRL	1.0	ug/L							
Chloroethane	BRL	5.0	ug/L							
Chloroform	BRL	1.0	ug/L							
Chloromethane	BRL	2.0	ug/L							
cis-1,2-Dichloroethylene	BRL	1.0	ug/L							
cis-1,3-Dichloropropylene	BRL	1.0	ug/L							
Dibromochloromethane	BRL	1.0	ug/L							
Dibromomethane	BRL	1.0	ug/L							
Dichlorodifluoromethane	BRL	2.0	ug/L							
Ethylbenzene	BRL	1.0	ug/L							
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	1.0	ug/L							
Isopropylbenzene (Cumene)	BRL	1.0	ug/L							
m,p-Xylenes	BRL	2.0	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	5.0	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	2.0	ug/L							
Methyl-tert-Butyl Ether	BRL	1.0	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	1.0	ug/L							
o-Xylene	BRL	1.0	ug/L							
sec-Butylbenzene	BRL	1.0	ug/L							
Styrene	BRL	1.0	ug/L							
tert-Butylbenzene	BRL	1.0	ug/L							
Tetrachloroethylene	BRL	1.0	ug/L							
Toluene	BRL	1.0	ug/L							
trans-1,2-Dichloroethylene	BRL	2.0	ug/L							
trans-1,3-Dichloropropylene	BRL	1.0	ug/L							
Trichloroethylene	BRL	2.0	ug/L							
Trichlorofluoromethane	BRL	2.0	ug/L							
Vinyl acetate	BRL	20	ug/L							
Vinyl chloride	BRL	2.0	ug/L							
Surrogate: 4-Bromofluorobenzene	25.5		ug/L	25.0		102	80-124			
Surrogate: Dibromofluoromethane	25.6		ug/L	25.0		103	75-129			
Surrogate: Toluene-d8	24.7		ug/L	25.0		99	77-123			

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

Project: ROW-309
Project No: WBS# 35022.1.1

Prism Work Order: 0090532
Time Submitted: 9/22/10 1:18:00PM

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 P0I0558 - 5030B										
LCS (P0I0558-BS1)										
Prepared & Analyzed: 09/28/10										
1,1-Dichloroethylene	56.6	1.0	ug/L	50.0		113	70-154			
Benzene	52.4	1.0	ug/L	50.0		105	77-128			
Chlorobenzene	50.3	1.0	ug/L	50.0		101	78-119			
Toluene	49.2	1.0	ug/L	50.0		98	76-131			
Trichloroethylene	53.8	2.0	ug/L	50.0		108	77-133			
Surrogate: 4-Bromofluorobenzene	25.8		ug/L	25.0		103	80-124			
Surrogate: Dibromofluoromethane	25.0		ug/L	25.0		100	75-129			
Surrogate: Toluene-d8	25.6		ug/L	25.0		103	77-123			
LCS Dup (P0I0558-BSD1)										
Prepared & Analyzed: 09/28/10										
1,1-Dichloroethylene	51.9	1.0	ug/L	50.0		104	70-154	9	200	
Benzene	48.3	1.0	ug/L	50.0		97	77-128	8	200	
Chlorobenzene	46.2	1.0	ug/L	50.0		92	78-119	9	200	
Toluene	45.8	1.0	ug/L	50.0		92	76-131	7	200	
Trichloroethylene	48.4	2.0	ug/L	50.0		97	77-133	10	200	
Surrogate: 4-Bromofluorobenzene	25.8		ug/L	25.0		103	80-124			
Surrogate: Dibromofluoromethane	24.8		ug/L	25.0		99	75-129			
Surrogate: Toluene-d8	25.3		ug/L	25.0		101	77-123			

Hart & Hickman (Charlotte)
Attn: David Graham
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Charlotte, NC 28203

Project: ROW-309
Project No: WBS# 35022.1.1

Prism Work Order: 0090532
Time Submitted: 9/22/10 1:18:00PM

TCLP 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 P0I0586 - 5030B										
Blank (P0I0586-BLK1)										
Prepared & Analyzed: 09/28/10										
1,1-Dichloroethylene	BRL	35	ug/L							
1,2-Dichloroethane	BRL	25	ug/L							
1,4-Dichlorobenzene	BRL	380	ug/L							
Benzene	BRL	25	ug/L							
Carbon Tetrachloride	BRL	25	ug/L							
Chlorobenzene	BRL	5000	ug/L							
Chloroform	BRL	300	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	10000	ug/L							
Tetrachloroethylene	BRL	35	ug/L							
Trichloroethylene	BRL	25	ug/L							
Vinyl chloride	BRL	10	ug/L							
Surrogate: 4-Bromofluorobenzene	25.9		ug/L	25.0		104	80-124			
Surrogate: Dibromofluoromethane	23.2		ug/L	25.0		93	75-129			
Surrogate: Toluene-d8	24.6		ug/L	25.0		98	77-123			
LCS (P0I0586-BS1)										
Prepared & Analyzed: 09/28/10										
1,1-Dichloroethylene	56.1	35	ug/L	50.0		112	70-154			
1,2-Dichloroethane	34.8	25	ug/L	50.0		70	68-131			
1,4-Dichlorobenzene	40.4	380	ug/L	50.0		81	75-126			
Benzene	53.4	25	ug/L	50.0		107	77-128			
Carbon Tetrachloride	41.7	25	ug/L	50.0		83	72-142			
Chlorobenzene	47.0	5000	ug/L	50.0		94	78-119			
Chloroform	48.1	300	ug/L	50.0		96	77-130			
Methyl Ethyl Ketone (2-Butanone)	103	10000	ug/L	100		103	71-134			
Tetrachloroethylene	50.0	35	ug/L	50.0		100	80-129			
Trichloroethylene	51.2	25	ug/L	50.0		102	77-133			
Vinyl chloride	48.4	10	ug/L	50.0		97	57-141			
Surrogate: 4-Bromofluorobenzene	23.4		ug/L	25.0		94	80-124			
Surrogate: Dibromofluoromethane	21.7		ug/L	25.0		87	75-129			
Surrogate: Toluene-d8	24.5		ug/L	25.0		98	77-123			

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 Time Submitted: 9/22/10 1:18:00PM

TCLP Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0I0586 - 5030B

LCS Dup (P0I0586-BSD1)

Prepared & Analyzed: 09/28/10

1,1-Dichloroethylene	53.6	35	ug/L	50.0		107	70-154	5	200	
1,2-Dichloroethane	35.3	25	ug/L	50.0		71	68-131	1	200	
1,4-Dichlorobenzene	42.5	380	ug/L	50.0		85	75-126	5	200	
Benzene	51.3	25	ug/L	50.0		103	77-128	4	200	
Carbon Tetrachloride	39.7	25	ug/L	50.0		79	72-142	5	200	
Chlorobenzene	46.2	5000	ug/L	50.0		92	78-119	2	200	
Chloroform	46.6	300	ug/L	50.0		93	77-130	3	200	
Methyl Ethyl Ketone (2-Butanone)	102	10000	ug/L	100		102	71-134	0.7	200	
Tetrachloroethylene	48.2	35	ug/L	50.0		96	80-129	4	200	
Trichloroethylene	49.1	25	ug/L	50.0		98	77-133	4	200	
Vinyl chloride	45.2	10	ug/L	50.0		90	57-141	7	200	
Surrogate: 4-Bromofluorobenzene	23.9		ug/L	25.0		96	80-124			
Surrogate: Dibromofluoromethane	22.0		ug/L	25.0		88	75-129			
Surrogate: Toluene-d8	24.4		ug/L	25.0		98	77-123			

Matrix Spike (P0I0586-MS1)

Source: 0090532-08

Prepared: 09/28/10 Analyzed: 09/29/10

1,1-Dichloroethylene	2490	40	ug/L	2000	BRL	124	65-162			
1,2-Dichloroethane	1600	40	ug/L	2000	BRL	80	69-129			
1,4-Dichlorobenzene	1960	380	ug/L	2000	BRL	98	76-124			
Benzene	2320	40	ug/L	2000	BRL	116	73-131			
Carbon Tetrachloride	1910	80	ug/L	2000	BRL	95	66-149			
Chlorobenzene	2080	5000	ug/L	2000	BRL	104	76-119			
Chloroform	2160	300	ug/L	2000	BRL	108	74-136			
Methyl Ethyl Ketone (2-Butanone)	3250	10000	ug/L	4000	BRL	81	65-137			
Tetrachloroethylene	2260	40	ug/L	2000	BRL	113	76-130			
Trichloroethylene	2280	80	ug/L	2000	BRL	114	72-133			
Vinyl chloride	2150	80	ug/L	2000	BRL	108	54-146			
Surrogate: 4-Bromofluorobenzene	24.3		ug/L	25.0		97	80-124			
Surrogate: Dibromofluoromethane	22.2		ug/L	25.0		89	75-129			
Surrogate: Toluene-d8	24.3		ug/L	25.0		97	77-123			

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TCLP 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 P0I0586 - 5030B										
Matrix Spike Dup (P0I0586-MSD1)										
Source: 0090532-08										
Prepared & Analyzed: 09/28/10										
1,1-Dichloroethylene	2220	40	ug/L	2000	BRL	111	65-162	11	20	
1,2-Dichloroethane	1480	40	ug/L	2000	BRL	74	69-129	7	17	
1,4-Dichlorobenzene	1790	380	ug/L	2000	BRL	90	76-124	9	17	
Benzene	2150	40	ug/L	2000	BRL	108	73-131	8	17	
Carbon Tetrachloride	1660	80	ug/L	2000	BRL	83	66-149	14	23	
Chlorobenzene	1910	5000	ug/L	2000	BRL	95	76-119	9	20	
Chloroform	1970	300	ug/L	2000	BRL	99	74-136	9	19	
Methyl Ethyl Ketone (2-Butanone)	3020	10000	ug/L	4000	BRL	75	65-137	7	23	
Tetrachloroethylene	1990	40	ug/L	2000	BRL	99	76-130	13	20	
Trichloroethylene	2050	80	ug/L	2000	BRL	102	72-133	11	17	
Vinyl chloride	1860	80	ug/L	2000	BRL	93	54-146	15	25	
Surrogate: 4-Bromofluorobenzene	24.2		ug/L	25.0		97	80-124			
Surrogate: Dibromofluoromethane	22.0		ug/L	25.0		88	75-129			
Surrogate: Toluene-d8	24.2		ug/L	25.0		97	77-123			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I0451 - 3510C MS										
Blank (P0I0451-BLK1)										
Prepared & Analyzed: 09/23/10										
1,2,4-Trichlorobenzene	BRL	10	ug/L							
1,2-Dichlorobenzene	BRL	10	ug/L							
1,3-Dichlorobenzene	BRL	10	ug/L							
1,4-Dichlorobenzene	BRL	10	ug/L							
2,4,5-Trichlorophenol	BRL	10	ug/L							
2,4,6-Trichlorophenol	BRL	10	ug/L							
2,4-Dichlorophenol	BRL	10	ug/L							
2,4-Dimethylphenol	BRL	10	ug/L							
2,4-Dinitrophenol	BRL	10	ug/L							
2,4-Dinitrotoluene	BRL	10	ug/L							
2,6-Dinitrotoluene	BRL	10	ug/L							
2-Chloronaphthalene	BRL	10	ug/L							
2-Chlorophenol	BRL	10	ug/L							
2-Methylnaphthalene	BRL	10	ug/L							
2-Methylphenol	BRL	10	ug/L							
2-Nitroaniline	BRL	10	ug/L							
2-Nitrophenol	BRL	10	ug/L							
3,3'-Dichlorobenzidine	BRL	10	ug/L							
3/4-Methylphenol	BRL	10	ug/L							
3-Nitroaniline	BRL	10	ug/L							
4,6-Dinitro-2-methylphenol	BRL	10	ug/L							
4-Bromophenyl phenyl ether	BRL	10	ug/L							
4-Chloro-3-methylphenol	BRL	10	ug/L							
4-Chloroaniline	BRL	10	ug/L							
4-Chlorophenyl phenyl ether	BRL	10	ug/L							
4-Nitroaniline	BRL	10	ug/L							
4-Nitrophenol	BRL	10	ug/L							
Acenaphthene	BRL	10	ug/L							
Acenaphthylene	BRL	10	ug/L							
Aniline	BRL	10	ug/L							
Anthracene	BRL	10	ug/L							
Azobenzene	BRL	10	ug/L							
Benzo(a)anthracene	BRL	10	ug/L							
Benzo(a)pyrene	BRL	10	ug/L							
Benzo(b)fluoranthene	BRL	10	ug/L							
Benzo(g,h,i)perylene	BRL	10	ug/L							
Benzo(k)fluoranthene	BRL	10	ug/L							
Benzoic Acid	BRL	100	ug/L							
Benzyl alcohol	BRL	10	ug/L							
bis(2-Chloroethoxy)methane	BRL	10	ug/L							
Bis(2-Chloroethyl)ether	BRL	10	ug/L							
Bis(2-chloroisopropyl)ether	BRL	10	ug/L							
Bis(2-Ethylhexyl)phthalate	BRL	10	ug/L							
Butyl benzyl phthalate	BRL	10	ug/L							
Chrysene	BRL	10	ug/L							
Dibenzo(a,h)anthracene	BRL	10	ug/L							

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I0451 - 3510C MS										
Blank (P0I0451-BLK1)										
Prepared & Analyzed: 09/23/10										
Dibenzofuran	BRL	10	ug/L							
Diethyl phthalate	BRL	10	ug/L							
Dimethyl phthalate	BRL	10	ug/L							
Di-n-butyl phthalate	BRL	10	ug/L							
Di-n-octyl phthalate	BRL	10	ug/L							
Fluoranthene	BRL	10	ug/L							
Fluorene	BRL	10	ug/L							
Hexachlorobenzene	BRL	10	ug/L							
Hexachlorobutadiene	BRL	10	ug/L							
Hexachlorocyclopentadiene	BRL	10	ug/L							
Hexachloroethane	BRL	10	ug/L							
Indeno(1,2,3-cd)pyrene	BRL	10	ug/L							
Isophorone	BRL	10	ug/L							
Naphthalene	BRL	10	ug/L							
Nitrobenzene	BRL	10	ug/L							
N-Nitroso-di-n-propylamine	BRL	10	ug/L							
N-Nitrosodiphenylamine	BRL	10	ug/L							
Pentachlorophenol	BRL	10	ug/L							
Phenanthrene	BRL	10	ug/L							
Phenol	BRL	10	ug/L							
Pyrene	BRL	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	65.4		ug/L	100		65	26-139			
Surrogate: 2-Fluorobiphenyl	32.4		ug/L	50.0		65	41-112			
Surrogate: 2-Fluorophenol	42.7		ug/L	100		43	10-48			
Surrogate: Nitrobenzene-d5	30.2		ug/L	50.0		60	34-102			
Surrogate: Phenol-d5	25.6		ug/L	100		26	10-34			
Surrogate: Terphenyl-d14	41.2		ug/L	50.0		82	31-165			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I0451 - 3510C MS										
LCS (P0I0451-BS1)										
Prepared & Analyzed: 09/23/10										
1,2,4-Trichlorobenzene	27.1	10	ug/L	50.0		54	39-102			
1,2-Dichlorobenzene	25.4	10	ug/L	50.0		51	46-90			
1,3-Dichlorobenzene	24.2	10	ug/L	50.0		48	31-100			
1,4-Dichlorobenzene	25.2	10	ug/L	50.0		50	45-89			
2,4,5-Trichlorophenol	45.0	10	ug/L	50.0		90	60-108			
2,4,6-Trichlorophenol	40.9	10	ug/L	50.0		82	48-118			
2,4-Dichlorophenol	34.1	10	ug/L	50.0		68	38-107			
2,4-Dimethylphenol	35.4	10	ug/L	50.0		71	26-108			
2,4-Dinitrophenol	31.9	10	ug/L	50.0		64	10-157			
2,4-Dinitrotoluene	48.1	10	ug/L	50.0		96	61-139			
2,6-Dinitrotoluene	48.1	10	ug/L	50.0		96	55-141			
2-Chloronaphthalene	33.8	10	ug/L	50.0		68	46-114			
2-Chlorophenol	30.0	10	ug/L	50.0		60	39-80			
2-Methylnaphthalene	33.3	10	ug/L	50.0		67	39-107			
2-Methylphenol	28.6	10	ug/L	50.0		57	24-73			
2-Nitroaniline	44.8	10	ug/L	50.0		90	65-123			
2-Nitrophenol	32.0	10	ug/L	50.0		64	40-111			
3,3'-Dichlorobenzidine	49.0	10	ug/L	50.0		98	25-203			
3/4-Methylphenol	28.1	10	ug/L	50.0		56	22-84			
3-Nitroaniline	46.6	10	ug/L	50.0		93	66-131			
4,6-Dinitro-2-methylphenol	40.5	10	ug/L	50.0		81	31-155			
4-Bromophenyl phenyl ether	46.3	10	ug/L	50.0		93	50-131			
4-Chloro-3-methylphenol	41.6	10	ug/L	50.0		83	48-94			
4-Chloroaniline	43.8	10	ug/L	50.0		88	45-120			
4-Chlorophenyl phenyl ether	44.3	10	ug/L	50.0		89	55-125			
4-Nitroaniline	50.4	10	ug/L	50.0		101	63-138			
4-Nitrophenol	24.5	10	ug/L	50.0		49	10-89			
Acenaphthene	42.6	10	ug/L	50.0		85	53-118			
Acenaphthylene	43.2	10	ug/L	50.0		86	52-121			
Aniline	39.7	10	ug/L	50.0		79	24-105			
Anthracene	48.9	10	ug/L	50.0		98	59-138			
Azobenzene	44.9	10	ug/L	50.0		90	65-123			
Benzo(a)anthracene	45.1	10	ug/L	50.0		90	63-138			
Benzo(a)pyrene	46.5	10	ug/L	50.0		93	67-142			
Benzo(b)fluoranthene	41.0	10	ug/L	50.0		82	58-151			
Benzo(g,h,i)perylene	44.5	10	ug/L	50.0		89	47-151			
Benzo(k)fluoranthene	48.5	10	ug/L	50.0		97	45-155			
Benzoic Acid	BRL	100	ug/L	50.0			10-125			P
Benzyl alcohol	26.9	10	ug/L	50.0		54	25-77			
bis(2-Chloroethoxy)methane	34.6	10	ug/L	50.0		69	42-119			
Bis(2-Chloroethyl)ether	31.0	10	ug/L	50.0		62	38-109			
Bis(2-chloroisopropyl)ether	30.2	10	ug/L	50.0		60	31-117			
Bis(2-Ethylhexyl)phthalate	40.3	10	ug/L	50.0		81	52-165			
Butyl benzyl phthalate	42.9	10	ug/L	50.0		86	51-162			
Chrysene	45.4	10	ug/L	50.0		91	59-137			
Dibenzo(a,h)anthracene	45.6	10	ug/L	50.0		91	43-161			

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 Attn: David Graham
 2923 South Tryon St. Ste 100
 Charlotte, NC 28203

Project: ROW-309
 Project No: WBS# 35022.1.1

Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

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 P0I0451 - 3510C MS										
LCS (P0I0451-BS1)										
Prepared & Analyzed: 09/23/10										
Dibenzofuran	41.8	10	ug/L	50.0		84	63-115			
Diethyl phthalate	45.8	10	ug/L	50.0		92	54-135			
Dimethyl phthalate	45.7	10	ug/L	50.0		91	46-135			
Di-n-butyl phthalate	46.6	10	ug/L	50.0		93	51-142			
Di-n-octyl phthalate	37.8	10	ug/L	50.0		76	54-160			
Fluoranthene	46.7	10	ug/L	50.0		93	52-137			
Fluorene	45.1	10	ug/L	50.0		90	56-122			
Hexachlorobenzene	46.7	10	ug/L	50.0		93	57-129			
Hexachlorobutadiene	24.8	10	ug/L	50.0		50	34-110			
Hexachlorocyclopentadiene	26.1	10	ug/L	50.0		52	27-120			
Hexachloroethane	23.3	10	ug/L	50.0		47	37-98			
Indeno(1,2,3-cd)pyrene	45.7	10	ug/L	50.0		91	24-172			
Isophorone	39.0	10	ug/L	50.0		78	44-117			
Naphthalene	31.0	10	ug/L	50.0		62	37-108			
Nitrobenzene	33.3	10	ug/L	50.0		67	29-120			
N-Nitroso-di-n-propylamine	34.4	10	ug/L	50.0		69	42-115			
N-Nitrosodiphenylamine	54.9	10	ug/L	50.0		110	69-142			
Pentachlorophenol	35.7	10	ug/L	50.0		71	42-156			
Phenanthrene	46.0	10	ug/L	50.0		92	60-133			
Phenol	15.4	10	ug/L	50.0		31	10-47			
Pyrene	46.4	10	ug/L	50.0		93	50-152			
Surrogate: 2,4,6-Tribromophenol	96.3		ug/L	100		96	26-139			
Surrogate: 2-Fluorobiphenyl	40.6		ug/L	50.0		81	41-112			
Surrogate: 2-Fluorophenol	40.2		ug/L	100		40	10-48			
Surrogate: Nitrobenzene-d5	32.6		ug/L	50.0		65	34-102			
Surrogate: Phenol-d5	27.1		ug/L	100		27	10-34			
Surrogate: Terphenyl-d14	41.1		ug/L	50.0		82	31-165			

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Project: ROW-309
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Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

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 P0I0451 - 3510C MS										
LCS Dup (P0I0451-BSD1)				Prepared & Analyzed: 09/23/10						
1,2,4-Trichlorobenzene	28.3	10	ug/L	50.0		57	39-102	4	200	
1,2-Dichlorobenzene	27.1	10	ug/L	50.0		54	46-90	6	200	
1,3-Dichlorobenzene	25.8	10	ug/L	50.0		52	31-100	6	200	
1,4-Dichlorobenzene	26.6	10	ug/L	50.0		53	45-89	6	200	
2,4,5-Trichlorophenol	40.5	10	ug/L	50.0		81	60-108	11	200	
2,4,6-Trichlorophenol	34.6	10	ug/L	50.0		69	48-118	17	200	
2,4-Dichlorophenol	32.1	10	ug/L	50.0		64	38-107	6	200	
2,4-Dimethylphenol	32.5	10	ug/L	50.0		65	26-108	8	200	
2,4-Dinitrophenol	29.3	10	ug/L	50.0		59	10-157	9	200	
2,4-Dinitrotoluene	43.5	10	ug/L	50.0		87	61-139	10	200	
2,6-Dinitrotoluene	43.5	10	ug/L	50.0		87	55-141	10	200	
2-Chloronaphthalene	29.6	10	ug/L	50.0		59	46-114	13	200	
2-Chlorophenol	29.7	10	ug/L	50.0		59	39-80	0.7	200	
2-Methylnaphthalene	32.0	10	ug/L	50.0		64	39-107	4	200	
2-Methylphenol	27.7	10	ug/L	50.0		55	24-73	3	200	
2-Nitroaniline	40.2	10	ug/L	50.0		80	65-123	11	200	
2-Nitrophenol	31.7	10	ug/L	50.0		63	40-111	1	200	
3,3'-Dichlorobenzidine	47.4	10	ug/L	50.0		95	25-203	3	200	
3/4-Methylphenol	25.7	10	ug/L	50.0		51	22-84	9	200	
3-Nitroaniline	43.0	10	ug/L	50.0		86	66-131	8	200	
4,6-Dinitro-2-methylphenol	36.4	10	ug/L	50.0		73	31-155	11	200	
4-Bromophenyl phenyl ether	41.5	10	ug/L	50.0		83	50-131	11	200	
4-Chloro-3-methylphenol	36.8	10	ug/L	50.0		74	48-94	12	200	
4-Chloroaniline	40.0	10	ug/L	50.0		80	45-120	9	200	
4-Chlorophenyl phenyl ether	39.7	10	ug/L	50.0		79	55-125	11	200	
4-Nitroaniline	49.3	10	ug/L	50.0		99	63-138	2	200	
4-Nitrophenol	20.5	10	ug/L	50.0		41	10-89	18	200	
Acenaphthene	37.3	10	ug/L	50.0		75	53-118	13	200	
Acenaphthylene	38.0	10	ug/L	50.0		76	52-121	13	200	
Aniline	40.7	10	ug/L	50.0		81	24-105	2	200	
Anthracene	44.9	10	ug/L	50.0		90	59-138	8	200	
Azobenzene	40.2	10	ug/L	50.0		80	65-123	11	200	
Benzo(a)anthracene	42.0	10	ug/L	50.0		84	63-138	7	200	
Benzo(a)pyrene	42.5	10	ug/L	50.0		85	67-142	9	200	
Benzo(b)fluoranthene	38.6	10	ug/L	50.0		77	58-151	6	200	
Benzo(g,h,i)perylene	40.0	10	ug/L	50.0		80	47-151	11	200	
Benzo(k)fluoranthene	42.8	10	ug/L	50.0		86	45-155	12	200	
Benzoic Acid	BRL	100	ug/L	50.0			10-125		200	P
Benzyl alcohol	26.4	10	ug/L	50.0		53	25-77	2	200	
bis(2-Chloroethoxy)methane	33.1	10	ug/L	50.0		66	42-119	4	200	
Bis(2-Chloroethyl)ether	31.4	10	ug/L	50.0		63	38-109	1	200	
Bis(2-chloroisopropyl)ether	30.4	10	ug/L	50.0		61	31-117	0.7	200	
Bis(2-Ethylhexyl)phthalate	37.5	10	ug/L	50.0		75	52-165	7	200	
Butyl benzyl phthalate	39.0	10	ug/L	50.0		78	51-162	10	200	
Chrysene	42.6	10	ug/L	50.0		85	59-137	6	200	
Dibenzo(a,h)anthracene	42.1	10	ug/L	50.0		84	43-161	8	200	

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

Project: ROW-309
 Project No: WBS# 35022.1.1

Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

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 P0I0451 - 3510C MS										
LCS Dup (P0I0451-BSD1)										
Prepared & Analyzed: 09/23/10										
Dibenzofuran	37.4	10	ug/L	50.0	75	63-115	11	200		
Diethyl phthalate	42.1	10	ug/L	50.0	84	54-135	9	200		
Dimethyl phthalate	41.1	10	ug/L	50.0	82	46-135	11	200		
Di-n-butyl phthalate	43.0	10	ug/L	50.0	86	51-142	8	200		
Di-n-octyl phthalate	34.3	10	ug/L	50.0	69	54-160	10	200		
Fluoranthene	43.8	10	ug/L	50.0	88	52-137	6	200		
Fluorene	40.6	10	ug/L	50.0	81	56-122	11	200		
Hexachlorobenzene	42.5	10	ug/L	50.0	85	57-129	9	200		
Hexachlorobutadiene	26.2	10	ug/L	50.0	52	34-110	6	200		
Hexachlorocyclopentadiene	25.9	10	ug/L	50.0	52	27-120	0.7	200		
Hexachloroethane	24.7	10	ug/L	50.0	49	37-98	6	200		
Indeno(1,2,3-cd)pyrene	40.2	10	ug/L	50.0	80	24-172	13	200		
Isophorone	34.7	10	ug/L	50.0	69	44-117	11	200		
Naphthalene	31.9	10	ug/L	50.0	64	37-108	3	200		
Nitrobenzene	33.4	10	ug/L	50.0	67	29-120	0.4	200		
N-Nitroso-di-n-propylamine	31.6	10	ug/L	50.0	63	42-115	8	200		
N-Nitrosodiphenylamine	49.4	10	ug/L	50.0	99	69-142	11	200		
Pentachlorophenol	33.9	10	ug/L	50.0	68	42-156	5	200		
Phenanthrene	42.4	10	ug/L	50.0	85	60-133	8	200		
Phenol	14.2	10	ug/L	50.0	28	10-47	9	200		
Pyrene	41.4	10	ug/L	50.0	83	50-152	11	200		
Surrogate: 2,4,6-Tribromophenol	87.4		ug/L	100	87	26-139				
Surrogate: 2-Fluorobiphenyl	35.6		ug/L	50.0	71	41-112				
Surrogate: 2-Fluorophenol	39.2		ug/L	100	39	10-48				
Surrogate: Nitrobenzene-d5	33.0		ug/L	50.0	66	34-102				
Surrogate: Phenol-d5	24.7		ug/L	100	25	10-34				
Surrogate: Terphenyl-d14	37.4		ug/L	50.0	75	31-165				

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Project: ROW-309
 Project No: WBS# 35022.1.1

Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

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 P0I0591 - 3550C MS										
Blank (P0I0591-BLK1)										
Prepared & Analyzed: 09/29/10										
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							

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Project: ROW-309
 Project No: WBS# 35022.1.1

Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

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 P0I0591 - 3550C MS										
Blank (P0I0591-BLK1)										
Prepared & Analyzed: 09/29/10										
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	2.63		mg/kg wet	3.32		79	34-134			
Surrogate: 2-Fluorobiphenyl	1.22		mg/kg wet	1.66		73	17-122			
Surrogate: 2-Fluorophenol	2.27		mg/kg wet	3.32		68	13-108			
Surrogate: Nitrobenzene-d5	1.12		mg/kg wet	1.66		67	11-118			
Surrogate: Phenol-d5	2.20		mg/kg wet	3.32		66	23-109			
Surrogate: Terphenyl-d14	1.42		mg/kg wet	1.66		85	41-156			
LCS (P0I0591-BS1)										
Prepared & Analyzed: 09/29/10										
1,2,4-Trichlorobenzene	1.37	0.33	mg/kg wet	1.67		82	35-95			
1,2-Dichlorobenzene	1.32	0.33	mg/kg wet	1.67		79	34-94			
1,3-Dichlorobenzene	1.31	0.33	mg/kg wet	1.67		78	31-92			
1,4-Dichlorobenzene	1.32	0.33	mg/kg wet	1.67		79	33-92			
2,4,6-Trichlorophenol	1.51	0.33	mg/kg wet	1.67		90	43-110			
2,4-Dichlorophenol	1.39	0.33	mg/kg wet	1.67		83	37-103			
2,4-Dimethylphenol	1.36	0.33	mg/kg wet	1.67		81	39-105			
2,4-Dinitrophenol	1.44	0.33	mg/kg wet	1.67		86	28-129			
2,4-Dinitrotoluene	1.60	0.33	mg/kg wet	1.67		95	59-115			
2,6-Dinitrotoluene	1.60	0.33	mg/kg wet	1.67		95	52-120			
2-Chloronaphthalene	1.08	0.33	mg/kg wet	1.67		64	41-104			
2-Chlorophenol	1.31	0.33	mg/kg wet	1.67		79	35-98			
2-Methylnaphthalene	1.34	0.33	mg/kg wet	1.67		80	31-106			
2-Methylphenol	1.28	0.33	mg/kg wet	1.67		76	32-108			
2-Nitrophenol	1.38	0.33	mg/kg wet	1.67		83	35-100			
3,3'-Dichlorobenzidine	1.51	0.33	mg/kg wet	1.67		90	10-200			
3/4-Methylphenol	1.30	0.33	mg/kg wet	1.67		78	36-103			
4,6-Dinitro-2-methylphenol	1.57	0.33	mg/kg wet	1.67		94	44-124			
4-Bromophenyl phenyl ether	1.57	0.33	mg/kg wet	1.67		94	44-119			
4-Chloro-3-methylphenol	1.40	0.33	mg/kg wet	1.67		84	48-106			
4-Chloroaniline	1.47	0.33	mg/kg wet	1.67		88	45-103			
4-Chlorophenyl phenyl ether	1.50	0.33	mg/kg wet	1.67		89	53-109			
4-Nitrophenol	1.69	0.33	mg/kg wet	1.67		101	40-124			

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2923 South Tryon St. Ste 100
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Project: ROW-309
Project No: WBS# 35022.1.1

Prism Work Order: 0090532
Time Submitted: 9/22/10 1:18:00PM

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 P0I0591 - 3550C MS										
LCS (P0I0591-BS1)										
Prepared & Analyzed: 09/29/10										
Acenaphthene	1.44	0.33	mg/kg wet	1.67		86	47-106			
Acenaphthylene	1.45	0.33	mg/kg wet	1.67		87	47-113			
Anthracene	1.59	0.33	mg/kg wet	1.67		95	57-121			
Azobenzene	1.45	0.33	mg/kg wet	1.67		87	49-117			
Benzo(a)anthracene	1.49	0.33	mg/kg wet	1.67		89	55-123			
Benzo(a)pyrene	1.49	0.33	mg/kg wet	1.67		89	61-120			
Benzo(b)fluoranthene	1.35	0.33	mg/kg wet	1.67		81	52-126			
Benzo(g,h,i)perylene	1.62	0.33	mg/kg wet	1.67		97	53-121			
Benzo(k)fluoranthene	1.63	0.33	mg/kg wet	1.67		98	50-131			
Benzoic Acid	0.849	0.33	mg/kg wet	1.67		51	10-75			
Benzyl alcohol	1.23	0.33	mg/kg wet	1.67		73	35-101			
bis(2-Chloroethoxy)methane	1.37	0.33	mg/kg wet	1.67		82	37-106			
Bis(2-Chloroethyl)ether	1.26	0.33	mg/kg wet	1.67		75	33-99			
Bis(2-chloroisopropyl)ether	1.26	0.33	mg/kg wet	1.67		75	26-106			
Bis(2-Ethylhexyl)phthalate	1.29	0.33	mg/kg wet	1.67		77	50-142			
Butyl benzyl phthalate	1.41	0.33	mg/kg wet	1.67		84	49-143			
Chrysene	1.55	0.33	mg/kg wet	1.67		92	53-126			
Dibenzo(a,h)anthracene	1.62	0.33	mg/kg wet	1.67		97	53-124			
Dibenzofuran	1.39	0.33	mg/kg wet	1.67		83	48-109			
Diethyl phthalate	1.51	0.33	mg/kg wet	1.67		90	59-118			
Dimethyl phthalate	1.50	0.33	mg/kg wet	1.67		90	58-113			
Di-n-butyl phthalate	1.64	0.33	mg/kg wet	1.67		98	51-129			
Di-n-octyl phthalate	1.16	0.33	mg/kg wet	1.67		69	49-140			
Fluoranthene	1.58	0.33	mg/kg wet	1.67		95	52-122			
Fluorene	1.45	0.33	mg/kg wet	1.67		87	52-110			
Hexachlorobenzene	1.62	0.33	mg/kg wet	1.67		97	52-117			
Hexachlorobutadiene	1.41	0.33	mg/kg wet	1.67		85	35-101			
Hexachlorocyclopentadiene	1.65	0.33	mg/kg wet	1.67		98	31-111			
Hexachloroethane	1.32	0.33	mg/kg wet	1.67		79	30-93			
Indeno(1,2,3-cd)pyrene	1.50	0.33	mg/kg wet	1.67		90	40-133			
Isophorone	1.42	0.33	mg/kg wet	1.67		85	41-103			
Naphthalene	1.39	0.33	mg/kg wet	1.67		83	38-98			
Nitrobenzene	1.39	0.33	mg/kg wet	1.67		83	28-110			
N-Nitroso-di-n-propylamine	1.28	0.33	mg/kg wet	1.67		77	36-104			
N-Nitrosodiphenylamine	1.77	0.33	mg/kg wet	1.67		106	57-134			
Pentachlorophenol	1.60	0.33	mg/kg wet	1.67		95	48-136			
Phenanthrene	1.53	0.33	mg/kg wet	1.67		91	57-118			
Phenol	1.33	0.33	mg/kg wet	1.67		79	27-107			
Pyrene	1.52	0.33	mg/kg wet	1.67		91	48-132			
Surrogate: 2,4,6-Tribromophenol	3.53		mg/kg wet	3.35		105	34-134			
Surrogate: 2-Fluorobiphenyl	1.50		mg/kg wet	1.67		90	17-122			
Surrogate: 2-Fluorophenol	2.66		mg/kg wet	3.35		79	13-108			
Surrogate: Nitrobenzene-d5	1.40		mg/kg wet	1.67		84	11-118			
Surrogate: Phenol-d5	2.59		mg/kg wet	3.35		77	23-109			
Surrogate: Terphenyl-d14	1.41		mg/kg wet	1.67		84	41-156			

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Hart & Hickman (Charlotte)
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Project: ROW-309
 Project No: WBS# 35022.1.1

Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

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 P0I0591 - 3550C MS										
LCS Dup (P0I0591-BSD1)										
Prepared & Analyzed: 09/29/10										
1,2,4-Trichlorobenzene	1.16	0.33	mg/kg wet	1.66		70	35-95	17	200	
1,2-Dichlorobenzene	1.16	0.33	mg/kg wet	1.66		70	34-94	14	200	
1,3-Dichlorobenzene	1.14	0.33	mg/kg wet	1.66		69	31-92	14	200	
1,4-Dichlorobenzene	1.16	0.33	mg/kg wet	1.66		70	33-92	13	200	
2,4,6-Trichlorophenol	1.31	0.33	mg/kg wet	1.66		79	43-110	15	200	
2,4-Dichlorophenol	1.17	0.33	mg/kg wet	1.66		71	37-103	17	200	
2,4-Dimethylphenol	1.16	0.33	mg/kg wet	1.66		70	39-105	16	200	
2,4-Dinitrophenol	1.16	0.33	mg/kg wet	1.66		70	28-129	22	200	
2,4-Dinitrotoluene	1.47	0.33	mg/kg wet	1.66		89	59-115	9	200	
2,6-Dinitrotoluene	1.47	0.33	mg/kg wet	1.66		89	52-120	9	200	
2-Chloronaphthalene	1.05	0.33	mg/kg wet	1.66		63	41-104	3	200	
2-Chlorophenol	1.14	0.33	mg/kg wet	1.66		69	35-98	14	200	
2-Methylnaphthalene	1.15	0.33	mg/kg wet	1.66		70	31-106	15	200	
2-Methylphenol	1.11	0.33	mg/kg wet	1.66		67	32-108	14	200	
2-Nitrophenol	1.17	0.33	mg/kg wet	1.66		71	35-100	16	200	
3,3'-Dichlorobenzidine	1.48	0.33	mg/kg wet	1.66		89	10-200	2	200	
3/4-Methylphenol	1.13	0.33	mg/kg wet	1.66		68	36-103	14	200	
4,6-Dinitro-2-methylphenol	1.43	0.33	mg/kg wet	1.66		87	44-124	9	200	
4-Bromophenyl phenyl ether	1.42	0.33	mg/kg wet	1.66		85	44-119	10	200	
4-Chloro-3-methylphenol	1.21	0.33	mg/kg wet	1.66		73	48-106	14	200	
4-Chloroaniline	1.26	0.33	mg/kg wet	1.66		76	45-103	15	200	
4-Chlorophenyl phenyl ether	1.34	0.33	mg/kg wet	1.66		81	53-109	11	200	
4-Nitrophenol	1.51	0.33	mg/kg wet	1.66		91	40-124	12	200	
Acenaphthene	1.27	0.33	mg/kg wet	1.66		77	47-106	12	200	
Acenaphthylene	1.29	0.33	mg/kg wet	1.66		78	47-113	12	200	
Anthracene	1.50	0.33	mg/kg wet	1.66		91	57-121	6	200	
Azobenzene	1.34	0.33	mg/kg wet	1.66		81	49-117	8	200	
Benzo(a)anthracene	1.37	0.33	mg/kg wet	1.66		83	55-123	8	200	
Benzo(a)pyrene	1.47	0.33	mg/kg wet	1.66		89	61-120	1	200	
Benzo(b)fluoranthene	1.29	0.33	mg/kg wet	1.66		78	52-126	5	200	
Benzo(g,h,i)perylene	1.53	0.33	mg/kg wet	1.66		92	53-121	6	200	
Benzo(k)fluoranthene	1.52	0.33	mg/kg wet	1.66		92	50-131	7	200	
Benzoic Acid	0.577	0.33	mg/kg wet	1.66		35	10-75	38	200	
Benzyl alcohol	1.05	0.33	mg/kg wet	1.66		63	35-101	16	200	
bis(2-Chloroethoxy)methane	1.16	0.33	mg/kg wet	1.66		70	37-106	17	200	
Bis(2-Chloroethyl)ether	1.10	0.33	mg/kg wet	1.66		67	33-99	13	200	
Bis(2-chloroisopropyl)ether	1.08	0.33	mg/kg wet	1.66		65	26-106	15	200	
Bis(2-Ethylhexyl)phthalate	1.12	0.33	mg/kg wet	1.66		67	50-142	14	200	
Butyl benzyl phthalate	1.29	0.33	mg/kg wet	1.66		78	49-143	9	200	
Chrysene	1.45	0.33	mg/kg wet	1.66		87	53-126	7	200	
Dibenzo(a,h)anthracene	1.52	0.33	mg/kg wet	1.66		92	53-124	6	200	
Dibenzofuran	1.24	0.33	mg/kg wet	1.66		75	48-109	11	200	
Diethyl phthalate	1.41	0.33	mg/kg wet	1.66		85	59-118	7	200	
Dimethyl phthalate	1.39	0.33	mg/kg wet	1.66		84	58-113	8	200	
Di-n-butyl phthalate	1.51	0.33	mg/kg wet	1.66		91	51-129	8	200	
Di-n-octyl phthalate	0.989	0.33	mg/kg wet	1.66		60	49-140	16	200	

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Hart & Hickman (Charlotte)
 Attn: David Graham
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 Charlotte, NC 28203

Project: ROW-309
 Project No: WBS# 35022.1.1

Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

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 P0I0591 - 3550C MS										
LCS Dup (P0I0591-BSD1)										
Prepared & Analyzed: 09/29/10										
Fluoranthene	1.50	0.33	mg/kg wet	1.66		91	52-122	5	200	
Fluorene	1.33	0.33	mg/kg wet	1.66		80	52-110	9	200	
Hexachlorobenzene	1.51	0.33	mg/kg wet	1.66		91	52-117	7	200	
Hexachlorobutadiene	1.19	0.33	mg/kg wet	1.66		72	35-101	17	200	
Hexachlorocyclopentadiene	1.37	0.33	mg/kg wet	1.66		83	31-111	18	200	
Hexachloroethane	1.15	0.33	mg/kg wet	1.66		69	30-93	14	200	
Indeno(1,2,3-cd)pyrene	1.44	0.33	mg/kg wet	1.66		87	40-133	4	200	
Isophorone	1.20	0.33	mg/kg wet	1.66		72	41-103	17	200	
Naphthalene	1.20	0.33	mg/kg wet	1.66		72	38-98	15	200	
Nitrobenzene	1.18	0.33	mg/kg wet	1.66		71	28-110	16	200	
N-Nitroso-di-n-propylamine	1.11	0.33	mg/kg wet	1.66		67	36-104	15	200	
N-Nitrosodiphenylamine	1.66	0.33	mg/kg wet	1.66		100	57-134	7	200	
Pentachlorophenol	1.49	0.33	mg/kg wet	1.66		90	48-136	7	200	
Phenanthrene	1.43	0.33	mg/kg wet	1.66		86	57-118	7	200	
Phenol	1.16	0.33	mg/kg wet	1.66		70	27-107	13	200	
Pyrene	1.41	0.33	mg/kg wet	1.66		85	48-132	7	200	
Surrogate: 2,4,6-Tribromophenol	3.21		mg/kg wet	3.31		97	34-134			
Surrogate: 2-Fluorobiphenyl	1.30		mg/kg wet	1.66		78	17-122			
Surrogate: 2-Fluorophenol	2.33		mg/kg wet	3.31		70	13-108			
Surrogate: Nitrobenzene-d5	1.20		mg/kg wet	1.66		72	11-118			
Surrogate: Phenol-d5	2.28		mg/kg wet	3.31		69	23-109			
Surrogate: Terphenyl-d14	1.30		mg/kg wet	1.66		79	41-156			
Matrix Spike (P0I0591-MS1)										
Source: 0090532-03 Prepared & Analyzed: 09/29/10										
1,2,4-Trichlorobenzene	1.60	0.39	mg/kg dry	1.99	BRL	80	25-104			
1,2-Dichlorobenzene	1.50	0.39	mg/kg dry	1.99	BRL	75	22-103			
1,3-Dichlorobenzene	1.46	0.39	mg/kg dry	1.99	BRL	73	18-101			
1,4-Dichlorobenzene	1.48	0.39	mg/kg dry	1.99	BRL	74	14-108			
2,4,6-Trichlorophenol	1.84	0.39	mg/kg dry	1.99	BRL	92	44-115			
2,4-Dichlorophenol	1.64	0.39	mg/kg dry	1.99	BRL	82	26-120			
2,4-Dimethylphenol	1.60	0.39	mg/kg dry	1.99	BRL	80	33-113			
2,4-Dinitrophenol	1.56	0.39	mg/kg dry	1.99	BRL	78	14-148			
2,4-Dinitrotoluene	1.95	0.39	mg/kg dry	1.99	BRL	98	49-134			
2,6-Dinitrotoluene	1.95	0.39	mg/kg dry	1.99	BRL	98	44-131			
2-Chloronaphthalene	1.30	0.39	mg/kg dry	1.99	BRL	65	38-112			
2-Chlorophenol	1.47	0.39	mg/kg dry	1.99	BRL	74	26-108			
2-Methylnaphthalene	1.65	0.39	mg/kg dry	1.99	BRL	83	12-128			
2-Methylphenol	1.41	0.39	mg/kg dry	1.99	BRL	71	26-116			
2-Nitrophenol	1.59	0.39	mg/kg dry	1.99	BRL	80	20-119			
3,3'-Dichlorobenzidine	1.97	0.39	mg/kg dry	1.99	BRL	99	10-191			
3/4-Methylphenol	1.46	0.39	mg/kg dry	1.99	BRL	73	28-116			
4,6-Dinitro-2-methylphenol	1.86	0.39	mg/kg dry	1.99	BRL	93	30-148			
4-Bromophenyl phenyl ether	1.90	0.39	mg/kg dry	1.99	BRL	95	43-126			
4-Chloro-3-methylphenol	1.73	0.39	mg/kg dry	1.99	BRL	87	41-120			
4-Chloroaniline	1.81	0.39	mg/kg dry	1.99	BRL	91	35-115			
4-Chlorophenyl phenyl ether	1.83	0.39	mg/kg dry	1.99	BRL	92	45-123			
4-Nitrophenol	1.97	0.39	mg/kg dry	1.99	BRL	99	33-136			

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Project: ROW-309
 Project No: WBS# 35022.1.1

Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

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 P0I0591 - 3550C MS										
Matrix Spike (P0I0591-MS1)										
Source: 0090532-03										
Prepared & Analyzed: 09/29/10										
Acenaphthene	1.79	0.39	mg/kg dry	1.99	BRL	90	46-115			
Acenaphthylene	1.81	0.39	mg/kg dry	1.99	BRL	91	40-125			
Anthracene	1.92	0.39	mg/kg dry	1.99	BRL	96	56-127			
Azobenzene	1.75	0.39	mg/kg dry	1.99	BRL	88	49-123			
Benzo(a)anthracene	1.80	0.39	mg/kg dry	1.99	BRL	90	50-134			
Benzo(a)pyrene	1.86	0.39	mg/kg dry	1.99	BRL	93	59-129			
Benzo(b)fluoranthene	1.64	0.39	mg/kg dry	1.99	BRL	82	46-141			
Benzo(g,h,i)perylene	1.67	0.39	mg/kg dry	1.99	BRL	84	47-136			
Benzo(k)fluoranthene	1.97	0.39	mg/kg dry	1.99	BRL	99	36-151			
Benzoic Acid	0.657	0.39	mg/kg dry	1.99	BRL	33	10-122			
Benzyl alcohol	1.33	0.39	mg/kg dry	1.99	BRL	67	29-112			
bis(2-Chloroethoxy)methane	1.61	0.39	mg/kg dry	1.99	BRL	81	31-119			
Bis(2-Chloroethyl)ether	1.28	0.39	mg/kg dry	1.99	BRL	64	23-111			
Bis(2-chloroisopropyl)ether	1.13	0.39	mg/kg dry	1.99	BRL	57	22-109			
Bis(2-Ethylhexyl)phthalate	1.62	0.39	mg/kg dry	1.99	BRL	81	45-153			
Butyl benzyl phthalate	1.77	0.39	mg/kg dry	1.99	BRL	89	43-156			
Chrysene	1.90	0.39	mg/kg dry	1.99	BRL	95	46-140			
Dibenzo(a,h)anthracene	1.76	0.39	mg/kg dry	1.99	BRL	88	43-141			
Dibenzofuran	1.73	0.39	mg/kg dry	1.99	BRL	87	45-121			
Diethyl phthalate	1.85	0.39	mg/kg dry	1.99	BRL	93	53-128			
Dimethyl phthalate	1.83	0.39	mg/kg dry	1.99	BRL	92	54-123			
Di-n-butyl phthalate	1.95	0.39	mg/kg dry	1.99	BRL	98	44-137			
Di-n-octyl phthalate	1.52	0.39	mg/kg dry	1.99	BRL	76	45-151			
Fluoranthene	1.91	0.39	mg/kg dry	1.99	BRL	96	37-140			
Fluorene	1.81	0.39	mg/kg dry	1.99	BRL	91	49-119			
Hexachlorobenzene	1.96	0.39	mg/kg dry	1.99	BRL	98	47-128			
Hexachlorobutadiene	1.61	0.39	mg/kg dry	1.99	BRL	81	24-107			
Hexachlorocyclopentadiene	1.88	0.39	mg/kg dry	1.99	BRL	94	20-121			
Hexachloroethane	1.43	0.39	mg/kg dry	1.99	BRL	72	17-102			
Indeno(1,2,3-cd)pyrene	1.62	0.39	mg/kg dry	1.99	BRL	81	27-156			
Isophorone	1.70	0.39	mg/kg dry	1.99	BRL	85	22-130			
Naphthalene	1.66	0.39	mg/kg dry	1.99	BRL	83	27-111			
Nitrobenzene	0.760	0.39	mg/kg dry	1.99	BRL	38	23-120			
N-Nitroso-di-n-propylamine	1.39	0.39	mg/kg dry	1.99	BRL	70	27-120			
N-Nitrosodiphenylamine	2.15	0.39	mg/kg dry	1.99	BRL	108	46-153			
Pentachlorophenol	1.85	0.39	mg/kg dry	1.99	BRL	93	36-155			
Phenanthrene	1.85	0.39	mg/kg dry	1.99	BRL	93	48-137			
Phenol	1.43	0.39	mg/kg dry	1.99	BRL	72	23-115			
Pyrene	1.89	0.39	mg/kg dry	1.99	BRL	95	43-146			
Surrogate: 2,4,6-Tribromophenol	4.22		mg/kg dry	3.99		106	34-134			
Surrogate: 2-Fluorobiphenyl	1.82		mg/kg dry	1.99		91	17-122			
Surrogate: 2-Fluorophenol	2.81		mg/kg dry	3.99		70	13-108			
Surrogate: Nitrobenzene-d5	0.760		mg/kg dry	1.99		38	11-118			
Surrogate: Phenol-d5	2.72		mg/kg dry	3.99		68	23-109			
Surrogate: Terphenyl-d14	1.73		mg/kg dry	1.99		87	41-156			

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Hart & Hickman (Charlotte)
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Project: ROW-309
 Project No: WBS# 35022.1.1

Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

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 P0I0591 - 3550C MS										
Matrix Spike Dup (P0I0591-MSD1)		Source: 0090532-03			Prepared & Analyzed: 09/29/10					
1,2,4-Trichlorobenzene	1.58	0.39	mg/kg dry	1.99	BRL	79	25-104	1	46	
1,2-Dichlorobenzene	1.49	0.39	mg/kg dry	1.99	BRL	75	22-103	1	49	
1,3-Dichlorobenzene	1.46	0.39	mg/kg dry	1.99	BRL	73	18-101	0.07	55	
1,4-Dichlorobenzene	1.46	0.39	mg/kg dry	1.99	BRL	74	14-108	1	50	
2,4,6-Trichlorophenol	1.84	0.39	mg/kg dry	1.99	BRL	92	44-115	0.4	35	
2,4-Dichlorophenol	1.63	0.39	mg/kg dry	1.99	BRL	82	26-120	0.3	45	
2,4-Dimethylphenol	1.57	0.39	mg/kg dry	1.99	BRL	79	33-113	1	47	
2,4-Dinitrophenol	1.78	0.39	mg/kg dry	1.99	BRL	90	14-148	13	39	
2,4-Dinitrotoluene	2.01	0.39	mg/kg dry	1.99	BRL	101	49-134	3	28	
2,6-Dinitrotoluene	2.01	0.39	mg/kg dry	1.99	BRL	101	44-131	3	31	
2-Chloronaphthalene	1.34	0.39	mg/kg dry	1.99	BRL	67	38-112	3	37	
2-Chlorophenol	1.48	0.39	mg/kg dry	1.99	BRL	74	26-108	0.4	51	
2-Methylnaphthalene	1.63	0.39	mg/kg dry	1.99	BRL	82	12-128	2	48	
2-Methylphenol	1.50	0.39	mg/kg dry	1.99	BRL	76	26-116	6	48	
2-Nitrophenol	1.60	0.39	mg/kg dry	1.99	BRL	80	20-119	0.5	44	
3,3'-Dichlorobenzidine	2.13	0.39	mg/kg dry	1.99	BRL	107	10-191	8	35	
3/4-Methylphenol	1.55	0.39	mg/kg dry	1.99	BRL	78	28-116	6	45	
4,6-Dinitro-2-methylphenol	1.97	0.39	mg/kg dry	1.99	BRL	99	30-148	6	27	
4-Bromophenyl phenyl ether	1.97	0.39	mg/kg dry	1.99	BRL	99	43-126	3	26	
4-Chloro-3-methylphenol	1.77	0.39	mg/kg dry	1.99	BRL	89	41-120	3	35	
4-Chloroaniline	1.81	0.39	mg/kg dry	1.99	BRL	91	35-115	0.4	41	
4-Chlorophenyl phenyl ether	1.89	0.39	mg/kg dry	1.99	BRL	95	45-123	3	30	
4-Nitrophenol	2.15	0.39	mg/kg dry	1.99	BRL	108	33-136	9	31	
Acenaphthene	1.80	0.39	mg/kg dry	1.99	BRL	91	46-115	0.8	35	
Acenaphthylene	1.82	0.39	mg/kg dry	1.99	BRL	92	40-125	0.6	35	
Anthracene	2.01	0.39	mg/kg dry	1.99	BRL	101	56-127	5	26	
Azobenzene	1.77	0.39	mg/kg dry	1.99	BRL	89	49-123	1	30	
Benzo(a)anthracene	1.88	0.39	mg/kg dry	1.99	BRL	94	50-134	4	25	
Benzo(a)pyrene	1.88	0.39	mg/kg dry	1.99	BRL	95	59-129	1	22	
Benzo(b)fluoranthene	1.70	0.39	mg/kg dry	1.99	BRL	85	46-141	3	33	
Benzo(g,h,i)perylene	1.99	0.39	mg/kg dry	1.99	BRL	100	47-136	17	26	
Benzo(k)fluoranthene	2.06	0.39	mg/kg dry	1.99	BRL	104	36-151	4	38	
Benzoic Acid	0.899	0.39	mg/kg dry	1.99	BRL	45	10-122	31	60	
Benzyl alcohol	1.43	0.39	mg/kg dry	1.99	BRL	72	29-112	7	43	
bis(2-Chloroethoxy)methane	1.57	0.39	mg/kg dry	1.99	BRL	79	31-119	2	46	
Bis(2-Chloroethyl)ether	1.41	0.39	mg/kg dry	1.99	BRL	71	23-111	10	54	
Bis(2-chloroisopropyl)ether	1.43	0.39	mg/kg dry	1.99	BRL	72	22-109	24	50	
Bis(2-Ethylhexyl)phthalate	1.59	0.39	mg/kg dry	1.99	BRL	80	45-153	2	26	
Butyl benzyl phthalate	1.84	0.39	mg/kg dry	1.99	BRL	92	43-156	4	22	
Chrysene	1.97	0.39	mg/kg dry	1.99	BRL	99	46-140	4	32	
Dibenzo(a,h)anthracene	2.02	0.39	mg/kg dry	1.99	BRL	102	43-141	14	25	
Dibenzofuran	1.78	0.39	mg/kg dry	1.99	BRL	89	45-121	2	36	
Diethyl phthalate	1.94	0.39	mg/kg dry	1.99	BRL	98	53-128	4	20	
Dimethyl phthalate	1.88	0.39	mg/kg dry	1.99	BRL	95	54-123	3	24	
Di-n-butyl phthalate	2.05	0.39	mg/kg dry	1.99	BRL	103	44-137	5	33	
Di-n-octyl phthalate	1.51	0.39	mg/kg dry	1.99	BRL	76	45-151	0.9	25	

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Project: ROW-309
 Project No: WBS# 35022.1.1

Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

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 P0I0591 - 3550C MS										
Matrix Spike Dup (P0I0591-MSD1)										
Source: 0090532-03 Prepared & Analyzed: 09/29/10										
Fluoranthene	2.02	0.39	mg/kg dry	1.99	BRL	102	37-140	6	35	
Fluorene	1.87	0.39	mg/kg dry	1.99	BRL	94	49-119	3	31	
Hexachlorobenzene	2.06	0.39	mg/kg dry	1.99	BRL	104	47-128	5	23	
Hexachlorobutadiene	1.55	0.39	mg/kg dry	1.99	BRL	78	24-107	4	50	
Hexachlorocyclopentadiene	1.87	0.39	mg/kg dry	1.99	BRL	94	20-121	0.7	50	
Hexachloroethane	1.43	0.39	mg/kg dry	1.99	BRL	72	17-102	0.1	50	
Indeno(1,2,3-cd)pyrene	1.87	0.39	mg/kg dry	1.99	BRL	94	27-156	14	35	
Isophorone	1.71	0.39	mg/kg dry	1.99	BRL	86	22-130	0.8	37	
Naphthalene	1.62	0.39	mg/kg dry	1.99	BRL	82	27-111	2	51	
Nitrobenzene	1.57	0.39	mg/kg dry	1.99	BRL	79	23-120	69	43	D
N-Nitroso-di-n-propylamine	1.55	0.39	mg/kg dry	1.99	BRL	78	27-120	11	47	
N-Nitrosodiphenylamine	2.21	0.39	mg/kg dry	1.99	BRL	111	46-153	3	29	
Pentachlorophenol	1.95	0.39	mg/kg dry	1.99	BRL	98	36-155	5	31	
Phenanthrene	1.94	0.39	mg/kg dry	1.99	BRL	98	48-137	5	32	
Phenol	1.54	0.39	mg/kg dry	1.99	BRL	78	23-115	8	56	
Pyrene	1.99	0.39	mg/kg dry	1.99	BRL	100	43-146	5	31	
Surrogate: 2,4,6-Tribromophenol	4.38		mg/kg dry	3.97		110	34-134			
Surrogate: 2-Fluorobiphenyl	1.77		mg/kg dry	1.99		89	17-122			
Surrogate: 2-Fluorophenol	2.85		mg/kg dry	3.97		72	13-108			
Surrogate: Nitrobenzene-d5	1.53		mg/kg dry	1.99		77	11-118			
Surrogate: Phenol-d5	2.91		mg/kg dry	3.97		73	23-109			
Surrogate: Terphenyl-d14	1.80		mg/kg dry	1.99		91	41-156			

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Project: ROW-309
Project No: WBS# 35022.1.1

Prism Work Order: 0090532
Time Submitted: 9/22/10 1:18:00PM

TCLP 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 P0I0504 - 3510C MS										
Blank (P0I0504-BLK1)										
Prepared: 09/24/10 Analyzed: 09/27/10										
2,4,5-Trichlorophenol	BRL	0.25	mg/L							
2,4,6-Trichlorophenol	BRL	0.10	mg/L							
2,4-Dinitrotoluene	BRL	0.012	mg/L							
2-Methylphenol	BRL	0.050	mg/L							
3/4-Methylphenol	BRL	0.050	mg/L							
Hexachlorobenzene	BRL	0.010	mg/L							
Hexachlorobutadiene	BRL	0.050	mg/L							
Hexachloroethane	BRL	0.050	mg/L							
Nitrobenzene	BRL	0.050	mg/L							
Pentachlorophenol	BRL	0.25	mg/L							
Pyridine	BRL	0.25	mg/L							
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>0.0960</i>		<i>mg/L</i>	<i>0.100</i>		<i>96</i>	<i>26-139</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.0395</i>		<i>mg/L</i>	<i>0.0500</i>		<i>79</i>	<i>41-112</i>			
<i>Surrogate: 2-Fluorophenol</i>	<i>0.0409</i>		<i>mg/L</i>	<i>0.100</i>		<i>41</i>	<i>10-48</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.0341</i>		<i>mg/L</i>	<i>0.0500</i>		<i>68</i>	<i>34-102</i>			
<i>Surrogate: Phenol-d5</i>	<i>0.0246</i>		<i>mg/L</i>	<i>0.100</i>		<i>25</i>	<i>10-34</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>0.0506</i>		<i>mg/L</i>	<i>0.0500</i>		<i>101</i>	<i>31-165</i>			
LCS (P0I0504-BS1)										
Prepared: 09/24/10 Analyzed: 09/27/10										
2,4,5-Trichlorophenol	0.0494	0.25	mg/L	0.0500		99	60-108			
2,4,6-Trichlorophenol	0.0474	0.10	mg/L	0.0500		95	48-118			
2,4-Dinitrotoluene	0.0530	0.012	mg/L	0.0500		106	61-139			
2-Methylphenol	0.0328	0.050	mg/L	0.0500		66	24-73			
3/4-Methylphenol	0.0292	0.050	mg/L	0.0500		58	22-84			
Hexachlorobenzene	0.0548	0.010	mg/L	0.0500		110	57-129			
Hexachlorobutadiene	0.0388	0.050	mg/L	0.0500		78	34-110			
Hexachloroethane	0.0350	0.050	mg/L	0.0500		70	37-98			
Nitrobenzene	0.0438	0.050	mg/L	0.0500		88	29-120			
Pentachlorophenol	0.0467	0.25	mg/L	0.0500		93	42-156			
Pyridine	0.0213	0.25	mg/L	0.0500		43	10-53			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>0.109</i>		<i>mg/L</i>	<i>0.100</i>		<i>109</i>	<i>26-139</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.0475</i>		<i>mg/L</i>	<i>0.0500</i>		<i>95</i>	<i>41-112</i>			
<i>Surrogate: 2-Fluorophenol</i>	<i>0.0442</i>		<i>mg/L</i>	<i>0.100</i>		<i>44</i>	<i>10-48</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.0437</i>		<i>mg/L</i>	<i>0.0500</i>		<i>87</i>	<i>34-102</i>			
<i>Surrogate: Phenol-d5</i>	<i>0.0261</i>		<i>mg/L</i>	<i>0.100</i>		<i>26</i>	<i>10-34</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>0.0437</i>		<i>mg/L</i>	<i>0.0500</i>		<i>87</i>	<i>31-165</i>			

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Project: ROW-309
 Project No: WBS# 35022.1.1

Prism Work Order: 0090532
 Time Submitted: 9/22/10 1:18:00PM

TCLP 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 P0I0504 - 3510C MS										
LCS Dup (P0I0504-BSD1)										
					Prepared: 09/24/10 Analyzed: 09/27/10					
2,4,5-Trichlorophenol	0.0460	0.25	mg/L	0.0500		92	60-108	7	200	
2,4,6-Trichlorophenol	0.0445	0.10	mg/L	0.0500		89	48-118	6	200	
2,4-Dinitrotoluene	0.0499	0.012	mg/L	0.0500		100	61-139	6	200	
2-Methylphenol	0.0294	0.050	mg/L	0.0500		59	24-73	11	200	
3/4-Methylphenol	0.0268	0.050	mg/L	0.0500		54	22-84	9	200	
Hexachlorobenzene	0.0506	0.010	mg/L	0.0500		101	57-129	8	200	
Hexachlorobutadiene	0.0347	0.050	mg/L	0.0500		69	34-110	11	200	
Hexachloroethane	0.0307	0.050	mg/L	0.0500		61	37-98	13	200	
Nitrobenzene	0.0393	0.050	mg/L	0.0500		79	29-120	11	200	
Pentachlorophenol	0.0431	0.25	mg/L	0.0500		86	42-156	8	200	
Pyridine	0.0194	0.25	mg/L	0.0500		39	10-53	9	200	
Surrogate: 2,4,6-Tribromophenol	0.102		mg/L	0.100		102	26-139			
Surrogate: 2-Fluorobiphenyl	0.0443		mg/L	0.0500		89	41-112			
Surrogate: 2-Fluorophenol	0.0396		mg/L	0.100		40	10-48			
Surrogate: Nitrobenzene-d5	0.0399		mg/L	0.0500		80	34-102			
Surrogate: Phenol-d5	0.0237		mg/L	0.100		24	10-34			
Surrogate: Terphenyl-d14	0.0436		mg/L	0.0500		87	31-165			

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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 P0I0483 - 3510C GC										
Blank (P0I0483-BLK1)										
Prepared & Analyzed: 09/24/10										
Aroclor 1016	BRL	0.50	ug/L							
Aroclor 1221	BRL	1.0	ug/L							
Aroclor 1232	BRL	0.50	ug/L							
Aroclor 1242	BRL	0.50	ug/L							
Aroclor 1248	BRL	0.50	ug/L							
Aroclor 1254	BRL	0.50	ug/L							
Aroclor 1260	BRL	0.50	ug/L							
Surrogate: Tetrachloro-m-xylene	0.720		ug/L	1.00		72	30-161			
Surrogate: Decachlorobiphenyl	0.760		ug/L	1.00		76	32-178			
LCS (P0I0483-BS1)										
Prepared & Analyzed: 09/24/10										
Aroclor 1016	BRL	0.50	ug/L				50-114			
Aroclor 1221	BRL	1.0	ug/L				15-178			
Aroclor 1232	13.3	0.50	ug/L	10.0		133	10-215			
Aroclor 1242	BRL	0.50	ug/L				39-150			
Aroclor 1248	BRL	0.50	ug/L				38-158			
Aroclor 1254	BRL	0.50	ug/L				29-131			
Aroclor 1260	BRL	0.50	ug/L				10-127			
Surrogate: Tetrachloro-m-xylene	0.900		ug/L	1.00		90	30-161			
Surrogate: Decachlorobiphenyl	0.860		ug/L	1.00		86	32-178			
LCS Dup (P0I0483-BSD1)										
Prepared & Analyzed: 09/24/10										
Aroclor 1016	BRL	0.50	ug/L				50-114		200	
Aroclor 1221	BRL	1.0	ug/L				15-178		200	
Aroclor 1232	13.5	0.50	ug/L	10.0		135	10-215	2	200	
Aroclor 1242	BRL	0.50	ug/L				39-150		200	
Aroclor 1248	BRL	0.50	ug/L				38-158		200	
Aroclor 1254	BRL	0.50	ug/L				29-131		200	
Aroclor 1260	BRL	0.50	ug/L				10-127		200	
Surrogate: Tetrachloro-m-xylene	0.920		ug/L	1.00		92	30-161			
Surrogate: Decachlorobiphenyl	0.820		ug/L	1.00		82	32-178			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0I0483 - 3510C GC

Matrix Spike (P0I0483-MS1)		Source: 0090532-06			Prepared & Analyzed: 09/24/10					
Aroclor 1016	BRL	1.0	ug/L		BRL		50-114			
Aroclor 1221	BRL	2.0	ug/L		BRL		15-178			
Aroclor 1232	22.6	1.0	ug/L	20.0	0.657	110	10-215			
Aroclor 1242	BRL	1.0	ug/L		BRL		39-150			
Aroclor 1248	BRL	1.0	ug/L		BRL		38-158			
Aroclor 1254	BRL	1.0	ug/L		BRL		29-131			
Aroclor 1260	BRL	1.0	ug/L		BRL		10-127			
Surrogate: Tetrachloro-m-xylene	1.66		ug/L	2.00		83	30-161			
Surrogate: Decachlorobiphenyl	1.28		ug/L	2.00		64	32-178			

Matrix Spike Dup (P0I0483-MSD1)		Source: 0090532-06			Prepared & Analyzed: 09/24/10					
Aroclor 1016	BRL	1.0	ug/L		BRL		50-114		50	
Aroclor 1221	BRL	2.0	ug/L		BRL		15-178		50	
Aroclor 1232	24.9	1.0	ug/L	20.0	0.657	121	10-215	10	50	
Aroclor 1242	BRL	1.0	ug/L		BRL		39-150		50	
Aroclor 1248	BRL	1.0	ug/L		BRL		38-158		50	
Aroclor 1254	BRL	1.0	ug/L		BRL		29-131		50	
Aroclor 1260	BRL	1.0	ug/L		BRL		10-127		50	
Surrogate: Tetrachloro-m-xylene	1.82		ug/L	2.00		91	30-161			
Surrogate: Decachlorobiphenyl	1.38		ug/L	2.00		69	32-178			

Batch P0I0526 - 3550C GC

Blank (P0I0526-BLK1)		Prepared: 09/27/10 Analyzed: 09/28/10								
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	0.0302		mg/kg	0.0332		91	36-182			
Surrogate: Decachlorobiphenyl	0.0299		mg/kg	0.0332		90	34-182			

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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 P0I0526 - 3550C GC										
LCS (P0I0526-BS1) Prepared: 09/27/10 Analyzed: 09/28/10										
Aroclor 1016	BRL	0.050	mg/kg				64-151			
Aroclor 1221	BRL	0.10	mg/kg				50-150			
Aroclor 1232	BRL	0.10	mg/kg				50-150			
Aroclor 1242	0.177	0.050	mg/kg	0.333		53	50-150			
Aroclor 1248	BRL	0.050	mg/kg				50-150			
Aroclor 1254	BRL	0.050	mg/kg				50-150			
Aroclor 1260	BRL	0.050	mg/kg				45-166			
Surrogate: Tetrachloro-m-xylene	0.0326		mg/kg	0.0333		98	36-182			
Surrogate: Decachlorobiphenyl	0.0326		mg/kg	0.0333		98	34-182			
LCS Dup (P0I0526-BSD1) Prepared: 09/27/10 Analyzed: 09/28/10										
Aroclor 1016	BRL	0.050	mg/kg				64-151		200	
Aroclor 1221	BRL	0.099	mg/kg				50-150		200	
Aroclor 1232	BRL	0.099	mg/kg				50-150		200	
Aroclor 1242	0.175	0.050	mg/kg	0.330		53	50-150	1	200	
Aroclor 1248	BRL	0.050	mg/kg				50-150		200	
Aroclor 1254	BRL	0.050	mg/kg				50-150		200	
Aroclor 1260	BRL	0.050	mg/kg				45-166		200	
Surrogate: Tetrachloro-m-xylene	0.0317		mg/kg	0.0330		96	36-182			
Surrogate: Decachlorobiphenyl	0.0301		mg/kg	0.0330		91	34-182			
Matrix Spike (P0I0526-MS1) Source: 0090532-01 Prepared: 09/27/10 Analyzed: 09/28/10										
Aroclor 1016	BRL	0.050	mg/kg		BRL		14-192			
Aroclor 1221	BRL	0.099	mg/kg		BRL		50-150			
Aroclor 1232	BRL	0.099	mg/kg		BRL		50-150			
Aroclor 1242	0.176	0.050	mg/kg	0.330	BRL	53	50-150			
Aroclor 1248	BRL	0.050	mg/kg		BRL		50-150			
Aroclor 1254	BRL	0.050	mg/kg		BRL		50-150			
Aroclor 1260	BRL	0.050	mg/kg		BRL		10-192			
Surrogate: Tetrachloro-m-xylene	0.0320		mg/kg	0.0330		97	36-182			
Surrogate: Decachlorobiphenyl	0.0314		mg/kg	0.0330		95	34-182			

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Time Submitted: 9/22/10 1:18:00PM

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 P0I0526 - 3550C GC										
Matrix Spike Dup (P0I0526-MSD1)										
Source: 0090532-01 Prepared: 09/27/10 Analyzed: 09/28/10										
Aroclor 1016	BRL	0.049	mg/kg		BRL		14-192		50	
Aroclor 1221	BRL	0.099	mg/kg		BRL		50-150		50	
Aroclor 1232	BRL	0.099	mg/kg		BRL		50-150		50	
Aroclor 1242	0.219	0.049	mg/kg	0.330	BRL	66	50-150	22	50	
Aroclor 1248	BRL	0.049	mg/kg		BRL		50-150		50	
Aroclor 1254	BRL	0.049	mg/kg		BRL		50-150		50	
Aroclor 1260	BRL	0.049	mg/kg		BRL		10-192		50	
Surrogate: Tetrachloro-m-xylene	0.0435		mg/kg	0.0330		132	36-182			
Surrogate: Decachlorobiphenyl	0.0412		mg/kg	0.0330		125	34-182			

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Gasoline Range Organics by GC/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P010486 - 5035										
Blank (P010486-BLK1)										
Prepared & Analyzed: 09/24/10										
Gasoline Range Organics	BRL	5.0	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	4.80		mg/kg wet	5.00		96	55-129			
LCS (P010486-BS1)										
Prepared & Analyzed: 09/24/10										
Gasoline Range Organics	38.8	5.0	mg/kg wet	50.0		78	67-116			
Surrogate: a,a,a-Trifluorotoluene	5.20		mg/kg wet	5.00		104	55-129			
LCS Dup (P010486-BSD1)										
Prepared & Analyzed: 09/24/10										
Gasoline Range Organics	40.4	5.0	mg/kg wet	50.0		81	67-116	4	200	
Surrogate: a,a,a-Trifluorotoluene	5.35		mg/kg wet	5.00		107	55-129			

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Diesel Range Organics by GC/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I0580 - 3545A										
Blank (P0I0580-BLK1)										
				Prepared: 09/28/10 Analyzed: 09/29/10						
Diesel Range Organics	BRL	7.0	mg/kg wet							
Surrogate: <i>o</i> -Terphenyl	1.40		mg/kg wet	1.60		87	49-124			
LCS (P0I0580-BS1)										
				Prepared: 09/28/10 Analyzed: 09/29/10						
Diesel Range Organics	77.1	7.0	mg/kg wet	80.0		96	55-109			
Surrogate: <i>o</i> -Terphenyl	2.18		mg/kg wet	1.60		136	49-124			SR
LCS Dup (P0I0580-BSD1)										
				Prepared: 09/28/10 Analyzed: 09/29/10						
Diesel Range Organics	73.5	7.0	mg/kg wet	79.8		92	55-109	5	200	
Surrogate: <i>o</i> -Terphenyl	2.07		mg/kg wet	1.60		130	49-124			SR
Matrix Spike (P0I0580-MS1)										
				Source: 0090532-03		Prepared: 09/28/10 Analyzed: 09/29/10				
Diesel Range Organics	95.6	8.4	mg/kg dry	96.2	BRL	99	50-117			
Surrogate: <i>o</i> -Terphenyl	2.73		mg/kg dry	1.92		142	49-124			SR
Matrix Spike Dup (P0I0580-MSD1)										
				Source: 0090532-03		Prepared: 09/28/10 Analyzed: 09/29/10				
Diesel Range Organics	85.3	8.4	mg/kg dry	96.2	BRL	89	50-117	11	24	
Surrogate: <i>o</i> -Terphenyl	2.28		mg/kg dry	1.92		118	49-124			SR

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Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P010487 - 3050B										
Blank (P010487-BLK1)										
Prepared: 09/24/10 Analyzed: 09/27/10										
Arsenic	BRL	0.50	mg/kg wet							
Barium	BRL	0.50	mg/kg wet							
Cadmium	BRL	0.25	mg/kg wet							
Chromium	BRL	0.25	mg/kg wet							
Lead	BRL	0.25	mg/kg wet							A
Selenium	BRL	0.50	mg/kg wet							
Silver	BRL	0.25	mg/kg wet							
LCS (P010487-BS1)										
Prepared: 09/24/10 Analyzed: 09/27/10										
Arsenic	23.1	0.50	mg/kg wet	24.9		93	80-120			
Barium	24.4	0.50	mg/kg wet	24.9		98	80-120			
Cadmium	23.4	0.25	mg/kg wet	24.9		94	80-120			
Chromium	25.0	0.25	mg/kg wet	24.9		100	80-120			
Lead	23.3	0.25	mg/kg wet	24.9		94	80-120			
Selenium	22.7	0.50	mg/kg wet	24.9		91	80-120			
Silver	23.8	0.25	mg/kg wet	24.9		96	80-120			
Matrix Spike (P010487-MS1)										
Source: 0090532-04										
Prepared: 09/24/10 Analyzed: 09/27/10										
Arsenic	25.2	0.58	mg/kg dry	29.1	5.98	66	75-125			MI
Barium	1780	29	mg/kg dry	29.1	1910	NR	75-125			MC
Cadmium	33.5	0.29	mg/kg dry	29.1	16.1	60	75-125			MI
Chromium	79.6	0.29	mg/kg dry	29.1	75.4	14	75-125			MI
Lead	1360	15	mg/kg dry	29.1	1270	311	75-125			MC
Selenium	BRL	0.58	mg/kg dry	29.1	BRL		75-125			MI
Silver	24.4	0.29	mg/kg dry	29.1	BRL	84	75-125			
Matrix Spike Dup (P010487-MSD1)										
Source: 0090532-04										
Prepared: 09/24/10 Analyzed: 09/27/10										
Arsenic	28.8	0.57	mg/kg dry	28.6	5.98	80	75-125	13	20	
Barium	1750	29	mg/kg dry	28.6	1910	NR	75-125	2	20	MC
Cadmium	34.2	0.29	mg/kg dry	28.6	16.1	63	75-125	2	20	MI
Chromium	79.3	0.29	mg/kg dry	28.6	75.4	14	75-125	0.4	20	MI
Lead	1920	14	mg/kg dry	28.6	1270	NR	75-125	34	20	MC
Selenium	BRL	0.57	mg/kg dry	28.6	BRL		75-125		20	MI
Silver	24.2	0.29	mg/kg dry	28.6	BRL	85	75-125	0.6	20	

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

Project: ROW-309
Project No: WBS# 35022.1.1

Prism Work Order: 0090532
Time Submitted: 9/22/10 1:18:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0I0487 - 3050B

Post Spike (P0I0487-PS1)		Source: 0090532-04		Prepared: 09/24/10		Analyzed: 09/28/10				
Arsenic	0.931		mg/L	1.00	0.200	73	80-120			MI
Barium	1.00E9		mg/L	1.00	63.8	NR	80-120			MC
Cadmium	1.13		mg/L	1.00	0.540	59	80-120			MI
Chromium	3.13		mg/L	1.00	2.52	61	80-120			MI
Lead	1.00E9		mg/L	1.00	42.5	NR	80-120			MC
Selenium	-0.377		mg/L	1.00	-1.15	115	80-120			
Silver	0.796		mg/L	1.00	-0.0609	86	80-120			

Batch P0I0512 - 3010A

Blank (P0I0512-BLK1)		Prepared & Analyzed: 09/27/10									
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 (P0I0512-BS1)		Prepared & Analyzed: 09/27/10								
Arsenic	0.251	0.010	mg/L	0.250		100	80-120			
Barium	0.257	0.010	mg/L	0.250		103	80-120			
Cadmium	0.252	0.0010	mg/L	0.250		101	80-120			
Chromium	0.262	0.0050	mg/L	0.250		105	80-120			
Lead	0.257	0.0050	mg/L	0.250		103	80-120			
Selenium	0.249	0.020	mg/L	0.250		99	80-120			
Silver	0.256	0.0050	mg/L	0.250		102	80-120			

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

Project: ROW-309
Project No: WBS# 35022.1.1

Prism Work Order: 0090532
Time Submitted: 9/22/10 1:18:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0I0512 - 3010A

Matrix Spike (P0I0512-MS1)

Source: 0090532-06

Prepared & Analyzed: 09/27/10

Arsenic	0.247	0.010	mg/L	0.250	0.0110	94	75-125			
Barium	0.861	0.010	mg/L	0.250	0.632	91	75-125			
Cadmium	0.241	0.0010	mg/L	0.250	0.00432	95	75-125			
Chromium	0.330	0.0050	mg/L	0.250	0.0897	96	75-125			
Lead	0.586	0.0050	mg/L	0.250	0.360	90	75-125			
Selenium	0.258	0.020	mg/L	0.250	0.0247	93	75-125			
Silver	0.242	0.0050	mg/L	0.250	BRL	97	75-125			

Matrix Spike Dup (P0I0512-MSD1)

Source: 0090532-06

Prepared & Analyzed: 09/27/10

Arsenic	0.250	0.010	mg/L	0.250	0.0110	95	75-125	1	20	
Barium	0.896	0.010	mg/L	0.250	0.632	105	75-125	4	20	
Cadmium	0.244	0.0010	mg/L	0.250	0.00432	96	75-125	0.9	20	
Chromium	0.337	0.0050	mg/L	0.250	0.0897	99	75-125	2	20	
Lead	0.599	0.0050	mg/L	0.250	0.360	96	75-125	2	20	
Selenium	0.259	0.020	mg/L	0.250	0.0247	94	75-125	0.08	20	
Silver	0.244	0.0050	mg/L	0.250	BRL	98	75-125	0.7	20	

Batch P0I0530 - 7470A

Blank (P0I0530-BLK1)

Prepared & Analyzed: 09/27/10

Mercury	BRL	0.00020	mg/L							
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LCS (P0I0530-BS1)

Prepared & Analyzed: 09/27/10

Mercury	0.00922	0.00020	mg/L	0.00938		98	80-120			
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Batch P0I0582 - 7471B

Blank (P0I0582-BLK1)

Prepared & Analyzed: 09/29/10

Mercury	BRL	0.020	mg/kg wet							
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Hart & Hickman (Charlotte)
Attn: David Graham
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: ROW-309
Project No: WBS# 35022.1.1

Prism Work Order: 0090532
Time Submitted: 9/22/10 1:18:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I0582 - 7471B										
LCS (P0I0582-BS1)				Prepared & Analyzed: 09/29/10						
Mercury	0.439	0.020	mg/kg wet	0.417		105	80-120			
Matrix Spike (P0I0582-MS1)				Source: 0090532-01		Prepared & Analyzed: 09/29/10				
Mercury	0.588	0.023	mg/kg dry	0.482	0.126	96	80-120			
Matrix Spike Dup (P0I0582-MSD1)				Source: 0090532-01		Prepared & Analyzed: 09/29/10				
Mercury	0.671	0.026	mg/kg dry	0.540	0.126	101	80-120	13	20	

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

Project: ROW-309
Project No: WBS# 35022.1.1

Prism Work Order: 0090532
Time Submitted: 9/22/10 1:18:00PM

TCLP Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I0489 - 3010A										
Blank (P0I0489-BLK1)										
Prepared: 09/24/10 Analyzed: 09/28/10										
Arsenic	BRL	0.050	mg/L							
Barium	BRL	5.0	mg/L							
Cadmium	BRL	0.025	mg/L							
Chromium	BRL	0.25	mg/L							
Lead	BRL	0.050	mg/L							
Selenium	BRL	0.10	mg/L							
Silver	BRL	0.25	mg/L							
LCS (P0I0489-BS1)										
Prepared: 09/24/10 Analyzed: 09/28/10										
Arsenic	1.24	0.050	mg/L	1.25		100	80-120			
Barium	1.23	5.0	mg/L	1.25		99	80-120			
Cadmium	1.23	0.025	mg/L	1.25		99	80-120			
Chromium	1.25	0.25	mg/L	1.25		100	80-120			
Lead	1.20	0.050	mg/L	1.25		96	80-120			
Selenium	1.24	0.10	mg/L	1.25		100	80-120			
Silver	1.22	0.25	mg/L	1.25		98	80-120			
Batch P0I0528 - 7470A										
Blank (P0I0528-BLK1)										
Prepared & Analyzed: 09/27/10										
Mercury	BRL	0.010	mg/L							
LCS (P0I0528-BS1)										
Prepared & Analyzed: 09/27/10										
Mercury	0.00927	0.010	mg/L	0.00938		99	80-120			

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

Project: ROW-309
Project No: WBS# 35022.1.1

Prism Work Order: 0090532
Time Submitted: 9/22/10 1:18:00PM

General Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I0515 - 9071B										
Blank (P0I0515-BLK1)				Prepared: 09/27/10 Analyzed: 09/29/10						
Oil & Grease (HEM)	BRL	40	mg/kg wet							
LCS (P0I0515-BS1)				Prepared: 09/27/10 Analyzed: 09/29/10						
Oil & Grease (HEM)	1750	40	mg/kg wet	2000		88	80-120			
LCS Dup (P0I0515-BSD1)				Prepared: 09/27/10 Analyzed: 09/29/10						
Oil & Grease (HEM)	1880	40	mg/kg wet	2000		94	80-120	7	200	
Matrix Spike (P0I0515-MS1)				Source: 0090532-03		Prepared: 09/27/10 Analyzed: 09/29/10				
Oil & Grease (HEM)	2330	48	mg/kg dry	2400	BRL	97	80-120			
Matrix Spike Dup (P0I0515-MSD1)				Source: 0090532-03		Prepared: 09/27/10 Analyzed: 09/29/10				
Oil & Grease (HEM)	2570	48	mg/kg dry	2400	BRL	107	80-120	10	20	
Batch P0I0546 - NO PREP										
Blank (P0I0546-BLK1)				Prepared & Analyzed: 09/27/10						
% Solids	100	0.100	% by Weight							
Duplicate (P0I0546-DUP1)				Source: 0090532-03		Prepared & Analyzed: 09/27/10				
% Solids	82.4	0.100	% by Weight		83.1			0.8	20	

Sample Extraction Data

Prep Method: 3545A

Lab Number	Batch	Initial	Final	Date
0090532-01	P0I0580	25.07 g	1 mL	09/28/10
0090532-03	P0I0580	25.03 g	1 mL	09/28/10
0090532-05	P0I0580	25.05 g	1 mL	09/28/10

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date
0090532-01	P0I0486	7.51 g	5 mL	09/24/10
0090532-03	P0I0486	6.88 g	5 mL	09/24/10
0090532-05	P0I0486	6.74 g	5 mL	09/24/10

Prep Method: 9071B

Lab Number	Batch	Initial	Final	Date
0090532-01	P0I0515	20.01 g	20.01 g	09/27/10
0090532-03	P0I0515	20.08 g	20.08 g	09/27/10
0090532-05	P0I0515	20.04 g	20.08 g	09/27/10

NO PREP

Lab Number	Batch	Initial	Final	Date
0090532-01	P0I0546	30 g	30 mL	09/27/10
0090532-02	P0I0546	30 g	30 mL	09/27/10
0090532-03	P0I0546	30 g	30 mL	09/27/10
0090532-04	P0I0546	30 g	30 mL	09/27/10
0090532-05	P0I0546	30 g	30 mL	09/27/10
0090532-10	P0I0546	30 g	30 mL	09/27/10

Prep Method: 3510C GC

Lab Number	Batch	Initial	Final	Date
0090532-06	P0I0483	1000 mL	10 mL	09/24/10

Prep Method: 3550C GC

Lab Number	Batch	Initial	Final	Date
0090532-01	P0I0526	30.1 g	10 mL	09/27/10
0090532-02	P0I0526	30.3 g	10 mL	09/27/10
0090532-03	P0I0526	30.24 g	10 mL	09/27/10
0090532-04	P0I0526	30.25 g	10 mL	09/27/10
0090532-04	P0I0526	30.25 g	10 mL	09/27/10
0090532-04	P0I0526	30.25 g	10 mL	09/27/10
0090532-05	P0I0526	30.42 g	10 mL	09/27/10
0090532-07	P0I0526	30.09 g	10 mL	09/27/10
0090532-07	P0I0526	30.09 g	10 mL	09/27/10
0090532-07	P0I0526	30.09 g	10 mL	09/27/10
0090532-08	P0I0526	30.13 g	10 mL	09/27/10
0090532-09	P0I0526	30.34 g	10 mL	09/27/10
0090532-10	P0I0526	30.35 g	10 mL	09/27/10
0090532-11	P0I0526	30.16 g	10 mL	09/27/10

Prep Method: 3510C MS

Lab Number	Batch	Initial	Final	Date
0090532-06	P0I0451	1000 mL	1 mL	09/23/10

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Sample Extraction Data

Prep Method: 3550C MS

Lab Number	Batch	Initial	Final	Date
0090532-01	P0I0591	30.31 g	1 mL	09/29/10
0090532-02	P0I0591	30.44 g	1 mL	09/29/10
0090532-03	P0I0591	30.04 g	1 mL	09/29/10
0090532-04	P0I0591	29.85 g	1 mL	09/29/10
0090532-04	P0I0591	29.85 g	1 mL	09/29/10
0090532-05	P0I0591	30.27 g	1 mL	09/29/10

Prep Method: 1311

Lab Number	Batch	Initial	Final	Date
0090532-07	P0I0471	100 g	2000 mL	09/23/10
0090532-07	P0I0497	25 g	500 mL	09/24/10
0090532-08	P0I0497	25 g	500 mL	09/24/10
0090532-08	P0I0471	100 g	2000 mL	09/23/10
0090532-09	P0I0471	100 g	2000 mL	09/23/10
0090532-09	P0I0497	25 g	500 mL	09/24/10
0090532-10	P0I0581	25 g	500 mL	09/28/10
0090532-10	P0I0471	100 g	2000 mL	09/23/10
0090532-11	P0I0471	100 g	2000 mL	09/23/10
0090532-11	P0I0581	25 g	500 mL	09/28/10

Prep Method: 3010A

Lab Number	Batch	Initial	Final	Date
0090532-07	P0I0489	10 mL	50 mL	09/24/10
0090532-08	P0I0489	10 mL	50 mL	09/24/10
0090532-09	P0I0489	10 mL	50 mL	09/24/10
0090532-10	P0I0489	10 mL	50 mL	09/24/10
0090532-11	P0I0489	10 mL	50 mL	09/24/10

Prep Method: 7470A

Lab Number	Batch	Initial	Final	Date
0090532-07	P0I0528	20 mL	30 mL	09/27/10
0090532-08	P0I0528	20 mL	30 mL	09/27/10
0090532-09	P0I0528	20 mL	30 mL	09/27/10
0090532-10	P0I0528	20 mL	30 mL	09/27/10
0090532-11	P0I0528	20 mL	30 mL	09/27/10

Prep Method: 3510C MS

Lab Number	Batch	Initial	Final	Date
0090532-07	P0I0504	200 mL	1 mL	09/24/10
0090532-08	P0I0504	200 mL	1 mL	09/24/10
0090532-09	P0I0504	200 mL	1 mL	09/24/10
0090532-10	P0I0504	200 mL	1 mL	09/24/10
0090532-11	P0I0504	200 mL	1 mL	09/24/10

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date
0090532-07	P0I0586	10 g	10 mL	09/28/10
0090532-08	P0I0586	10 g	10 mL	09/28/10
0090532-09	P0I0586	10 g	10 mL	09/28/10
0090532-10	P0I0586	10 g	10 mL	09/29/10
0090532-11	P0I0586	10 g	10 mL	09/29/10

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Sample Extraction Data

Prep Method: 3010A

Lab Number	Batch	Initial	Final	Date
0090532-06	P0I0512	50 mL	50 mL	09/27/10

Prep Method: 3050B

Lab Number	Batch	Initial	Final	Date
0090532-01	P0I0487	2.04 g	50 mL	09/24/10
0090532-02	P0I0487	2.05 g	50 mL	09/24/10
0090532-03	P0I0487	2.02 g	50 mL	09/24/10
0090532-04	P0I0487	1.96 g	50 mL	09/24/10
0090532-04	P0I0487	1.96 g	50 mL	09/24/10
0090532-05	P0I0487	2.04 g	50 mL	09/24/10

Prep Method: 7470A

Lab Number	Batch	Initial	Final	Date
0090532-06	P0I0530	20 mL	30 mL	09/27/10

Prep Method: 7471B

Lab Number	Batch	Initial	Final	Date
0090532-01	P0I0582	0.65 g	50 mL	09/29/10
0090532-02	P0I0582	0.58 g	50 mL	09/29/10
0090532-03	P0I0582	0.62 g	50 mL	09/29/10
0090532-04	P0I0582	0.62 g	50 mL	09/29/10
0090532-05	P0I0582	0.61 g	50 mL	09/29/10

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date
0090532-06	P0I0558	10 mL	10 mL	09/28/10

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date
0090532-01	P0I0464	8.06 g	5 mL	09/23/10
0090532-02	P0I0464	7.46 g	5 mL	09/23/10
0090532-03	P0I0464	7.19 g	5 mL	09/23/10
0090532-04	P0I0464	6.56 g	5 mL	09/23/10
0090532-05	P0I0464	7.07 g	5 mL	09/23/10



Full Service Analytical & Environmental Solutions

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

Client Company Name: Hart + Hickman

Report To/Contact Name: D GORHAM

Reporting Address: 2923 S. TRYON ST
CHARLOTTE, NC 28203

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

Site Location Name: Schulhofers, Inc.

Site Location Physical Address: Waynesville NC

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: POW 309

Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No) (No)

*Please ATTACH any project specific reporting provisions and/or QC Requirements

Invoice To: NC DoI

Address: _____

LAB USE ONLY			
	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>1.8</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/O HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Purchase Order No./Billing Reference URSH 35022.1.1

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

Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

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			PRESERVATIVES	ANALYSES REQUESTED							REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		8260	8270	Metals	PCRS	TPH/DRO	Oil & Grease				
P-TP-1(1-2')	9-21-10	9:55	Soil	G	10	-	-	X	X	X	X	X	X	X	2x8oz, 3x4oz, 2oz		01
P-TP-2(1-2')		11:20			6	-	-	X	X	X	X				2x8oz, 4oz, 2oz		02
P-TP-3(2-4')		12:10			10	-	-	X	X	X	X	X	X		2x8oz, 3x4oz, 2oz		03
P-TP-4(1-2')		14:25			10	-	-	X	X	X	X	X	X	Hold			04
P-TP-5(1-2')	9-21-10	15:10	Soil	G	10	-	-	X	X	X	X	X	X				05
Drum	9-21-10	16:15	water	G+P	8	-	-	X	X	X	X						06

Sampler's Signature: [Signature] Sampled By (Print Name): Grant B. [Signature] 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) <u>[Signature]</u>	Received By: (Signature) _____	Date _____	Military/Hours _____
Relinquished By: (Signature) _____	Received By: (Signature) _____	Date _____	
Relinquished By: (Signature) _____	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>9-22-10</u>	Military/Hours <u>13:18</u>
Method of Shipment: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input checked="" type="checkbox"/> Hand-delivered <input type="checkbox"/> Prism Field Service <input type="checkbox"/> Other		Log-In Group No. <u>0090532</u>	

Additional Comments:

PRISM USE ONLY	
Site Arrival Time:	
Site Departure Time:	
Field Tech Fee:	
Mileage:	

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

ORIGIN



Full Service Analytical & Environmental Solutions

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

Client Company Name: Hart & Hickman
 Report To/Contact Name: D GRATHAM
 Reporting Address: 2923 S. TRYON ST
Charlotte NC 28203
 Phone: 704 586 0007 Fax (Yes) (No): -
 Site Location Name: Schulhoffs, Inc
 Site Location Physical Address: Waynesville, NC

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: POW-309

Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)

*Please ATTACH any project specific reporting provisions and/or QC Requirements

Invoice To: NC DOT

Address: _____

Purchase Order No./Billing Reference WBS # 35022.0.1

Requested Due Date 1 Day 2 Days 3 Days 4 Days Days
 6-9 Days Standard 10 days Standard DOT

Samples received after 15:00 will be processed next business day.
 Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

LAB USE ONLY			
	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>1.8</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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			PRESERVATIVES	ANALYSES REQUESTED				REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		TLCP VOL 8260	TLCP 51005 8270	TLCP RCRA METALS 8082	PCBS 8082			
P-TP-1(0-1')	9-21-10	9:40	SOIL	G	2	-	-	X	X	X	X	1L, B02		07
P-TP-2(0-1')	↓	11:00	↓	↓	2	-	-	X	X	X	X	↓		08
P-TP-3(0-1')	↓	11:50	↓	↓	3	-	-	X	X	X	X	1L 2x B02		09
P-TP-4(0-1')	↓	14:15	↓	↓	3	-	-	X	X	X	X	↓	(X) - HLD	10
P-TP-5(0-1')	9-21-10	14:55	SOIL	G	2	-	-	X	X	X	X	1L B02		11

Sampler's Signature [Signature]

Sampled By (Print Name) Grant Berrie

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) <u>[Signature]</u>	Received By: (Signature) _____	Date _____	Military/Hours _____
Relinquished By: (Signature) _____	Received By: (Signature) _____	Date _____	
Relinquished By: (Signature) _____	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>9-22-10</u>	1318

Method of Shipment: Fed Ex UPS Hand-delivered Prism Field Service Other _____
 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. 0090532

PRISM USE ONLY
Site Arrival Time: _____
Site Departure Time: _____
Field Tech Fee: _____
Mileage: _____

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

October 21, 2010

Ms. Angela Overcash
Prism Laboratories
PO Box 240543
Charlotte, North Carolina 28224

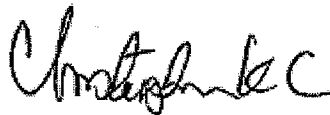
Re: Lab Subcontract (Dredge)
Work Order: 1723
SDG: 0090532

Dear Ms. Overcash:

Cape Fear Analytical LLC (CFA) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on September 24, 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

SUBCONTRACT ORDER

Prism Laboratories, Inc.

0090532

SENDING LABORATORY:

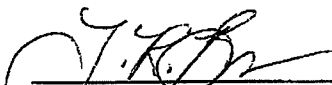
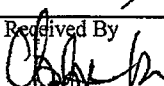
Prism Laboratories, Inc.
P. O. Box 240543
Charlotte, NC 28224-0543
Phone: 800-529-6364
Fax: 704-525-0409
Project Manager: Angela D. Overcash

RECEIVING LABORATORY:

Cape Fear Analytical
3306 Kitty Hawk Rd. Ste 120
Wilmington, NC 28405
Phone : (910) 795-0421
Fax: -

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 0090532-10	Solid	Sampled: 09/21/10 14:15	[REDACTED]	
8290 (Sub)	10/04/10 15:00	10/05/10 14:15		
Containers Supplied: 8oz				
Sample ID: 0090532-11	Solid	Sampled: 09/21/10 14:55	[REDACTED]	
8290 (Sub)	10/04/10 15:00	10/05/10 14:55		
Containers Supplied:				

temp = 3.9

	9/27/10 @ 1700	Fed Ex	9/27/10 @ 1700
Released By	Date	Received By	Date
Fed Ex			
Released By	Date	Received By	Date
			9/28/10 0940

SAMPLE RECEIPT CHECKLIST
Cape Fear Analytical

Client: <u>Access</u>	Work Order: <u>1723</u>
Received By: <u>Cynde Larkins</u>	Date/Time Received: <u>9/24/10</u>

Suspected Hazard Information	Yes	NA	No
Shipped as DOT Hazardous?			<input checked="" type="checkbox"/>
Samples identified as Foreign Soil?			<input checked="" type="checkbox"/>

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: seals broken damaged container leaking container other(describe)
2 Chain of Custody documents included with shipment?	<input checked="" type="checkbox"/>			
3 Samples requiring cold preservation within 0-6°C?	<input checked="" type="checkbox"/>			Preservation Method: <u>ice bags</u> blue ice dry ice none other (describe) <u>2.2°</u>
4 Samples requiring chemical preservation at proper pH?		<input checked="" type="checkbox"/>		Sample IDs, containers affected and pH observed: If preservative added, Lot#:
5 Samples requiring preservation have no residual chlorine?		<input checked="" type="checkbox"/>		Sample IDs, containers affected: If preservative added, Lot#:
6 Samples received within holding time?	<input checked="" type="checkbox"/>			Sample IDs, tests affected:
7 Sample IDs on COC match IDs on containers?			<input checked="" type="checkbox"/>	Sample IDs, containers affected: <u>Sample ID discrepancies, PM and client notified.</u>
8 Date & time of COC match date & time on containers?			<input checked="" type="checkbox"/>	Sample IDs, containers affected: <u>Collection time discrepancies, PM and client notified</u>
9 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>			Sample IDs, containers affected:
10 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>			

Comments:
All discrepancies attended to via e-mail (in folder) by Chris Cornwell, PM. as of 10/5/10: day of log-in.

Checklist performed by: Initials: CL Date: 10/5/10

RE: [Fwd: Sample labeling discrepancies]

Subject: RE: [Fwd: Sample labeling discrepancies]
From: "Angela Martin" <amartin@axs-inc.com>
Date: Tue, 5 Oct 2010 15:43:29 -0400
To: "Chris Cornwell" <Chris.Cornwell@cfanalytical.com>

Chris,

Please see below highlighted for sample discrepancies. There is only one sample that needs to be analyzed and the is:

P-TP-3 (0-1')
0090532-10
Collected 09.21 @ 1150

Angela Martin
Project Manager

Access Analytical, Inc.
Comprehensive Environmental Laboratory Services

From: Chris Cornwell [mailto:Chris.Cornwell@cfanalytical.com]
Sent: Tuesday, October 05, 2010 11:02 AM
To: Angela Martin
Subject: [Fwd: Sample labeling discrepancies]

See below.

----- Original Message -----

Subject: Sample labeling discrepancies
Date: Tue, 28 Sep 2010 17:33:14 -0400
From: Cynde Larkins <cynde.larkins@cfanalytical.com>
To: AOvercash@prismlabs.net, Chris Cornwell <Chris.Cornwell@cfanalytical.com>

Good afternoon Ms. Overcash,

My name is Cynde Larkins and I am currently responsible for Sample Receipt and Log-In at Cape Fear Analytical. We spoke briefly on the phone the other day regarding some confusing labeling on 2 samples we received from Prism Labs. Today we received another sample that was supposed to be a replacement sample, along with a COC. I thought that if I could type out the discrepancies in an e-mail to you it would be easier to understand than trying to explain it with a phone call. I apologize for the length of this e-mail, but I thought it would be best to be detailed in my explanation. I would hate for us to analyze a sample that was mislabeled and cause further confusion later.

The first Chain of Custody we received listed 2 samples as follows:

Sample ID: 0090532-10
Solid
Sampled: 09/21/10 11:50
Laboratory ID: P-TP-3 (0-1)
8290 (Sub)

RE: [Fwd: Sample labeling discrepancies]

Due: 10/04/10 15:00
Expires: 10/05/10 11:50

Sample ID: 0090532-11
Solid
Sampled: 09/21/10 14:15
Laboratory ID: P-TP-4 (0-1)
8290 (Sub) Due: 10/04/10 15:00
Expires: 10/05/10 14:15

Below are reproductions of the first sample labels for the samples we received on 9/24/10, the first table showing the label that was written on by hand and the second label looks to be a print out from a computer.

Prism

Company Name: Hart & Hickman
Project Name: ROW-309 DOT

Sample ID: P-TP-4 (0-1)
Sample Date: 9/21/10
Sample Time: 1415
Sampled By: GAB
Preservative: None

Analysis Requested: PCBs

Sample Type: G

Prism ID
0090532-10-C
Collection Date
09/21/10 14:15
Sample ID
P-TP-4 (0-1')
Hart & Hickman
(Charlotte)
8 oz. glass jar

The discrepancy is with the Prism ID number on the computer print out label: 0090532-10-C which doesn't match the COC for time sampled or Laboratory ID.

The second sample labels looked like this, the first one being the handwritten label, the second one is the computer print out:

Prism

Company Name: Hart & Hickman
Project Name: ROW-309 DOT

Sample ID: P-TP-5 (0-1)
Sample Date: 9/21/10
Sample Time: 1455

RE: [Fwd: Sample labeling discrepancies]

Sampled By: GAB
Preservative: None

Analysis Requested: PCBs

Sample Type: 1510

Prism ID:

0090532-11-B

Collection Date:

9/21/10 14:55

Sample ID:

P-TP-5 (0-1')

Hart & Hickman

(Charlotte)

8 oz. glass jar

The discrepancy with this sample is the sample ID: P-TP-5 (0-1) which is not on the COC at all. Also, the Prism ID that is on the COC does not match the sample information.

As a side note, I can see where a Prism computer print out label has been stuck on top of another print out label. You can barely make out a different Prism ID number on the label underneath.

The sample we received today, 9/28/2010 has a few discrepancies as well. I will reproduce the COC and sample labels for today's receipts below. The top sample was highlighted indicating that this is the one to replace.

Sample ID: 0090532-10

Solid

Sampled: 09/21/10 14:15 The Correct collection time is 1150

P-TP-3 (0-1')

8290 (Sub)

Due: 10/04/10 15:00

Expires: 10/05/10 14:15

Sample ID: 0090532-11

Solid Sampled 09/21/10 14:55

8290 (Sub)

Due: 10/04/10 15:00

Expires: 10/05/10 14:55

The labels on the sample jar are as follows:

Prism

Company Name: Hart & Hickman

Project Name: ROW-309-DOT

Sample ID: P-TP-3 (0-1')

Sample Date: 9/21/10

Sample Time: 1150

Sampled By: GAB

Preservative: None

RE: [Fwd: Sample labeling discrepancies]

Analysis Requested: Dioxin/Furan

Sample Type: G

Prism ID

0090532-09-C The Correct Sample ID is 0090532-10

Collection Date:

9/21/10 11:50

Sample ID:

P-TP-3 (0-1')

Hart & Hickman

(Charlotte)

8 oz. glass jar

The issue with this sample is the collection time and the Prism ID: 0090532-09 on the sample jar. The COC lists it as 0090532-10.

Again, I am sorry for the length of this correspondence but I hope this allows you to see our dilemma. Hopefully this will help things get worked out so that we can analyze your samples soon. Please contact me with any questions concerning this e-mail.

Thank you,
Cynde Larkins
cynde.larkins@cfanalytical.com

High Resolution Dioxin and Furan Analysis

Case Narrative

HDOX Case Narrative
Access Analytical, Inc. (AAIS)
SDG 0090532

Method/Analysis Information

Product: Dioxins/Furans by SW846 Method 8290A in Solids
Analytical Method: SW846 8290A
Extraction Method: SW846 3540C
Analytical Batch Number: 16154
Clean Up Batch Number: 16034
Extraction Batch Number: 15993

Sample Analysis

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

Sample ID	Client ID
1723001	P-TP-3(0-1)
1723001	P-TP-3(0-1)
12001948	1723001(P-TP-3(0-1)) Sample Duplicate (DUP)
12002006	Laboratory Control Sample (LCS)
12002007	Laboratory Control Sample Duplicate (LCSD)
12002008	Method Blank (MB)

Sample 1723 001 in this SDG was 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

One compound recovered above acceptance limits; this indicates a possible high bias for this compound. 12002006 (LCS)- Batch 16154.

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

The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis

Re-extractions or re-analyses were not required in this SDG.

Miscellaneous Information

Nonconformance (NCR) Documentation

The following NCR was generated for this SDG: 642551 12002006 (LCS)- Batch 16154.

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.

Sample preparation

No difficulties were encountered during sample preparation.

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: 0090532 CFA Work Order: 1723

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 Value is estimated - 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: 

Name: Heather Patterson

Date: 21 OCT 2010

Title: Analyst III

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number: 0090532	Client: AAIS001	Project: AAIS00110
Lab Sample ID: 1723001	Date Collected: 09/21/2010 11:50	Matrix: SOIL
Client Sample: 8290 Soil	Date Received: 09/24/2010 09:48	%Moisture: 22.1
Client ID: P-TP-3(0-1)		Prep Basis: Dry Weight
Batch ID: 16154	Method: SW846 8290A	
Run Date: 10/18/2010 23:26	Analyst: MJC	Instrument: HRP763
Data File: b18oct10c-8		Dilution: 1
Prep Batch: 15993	Prep Method: SW846 3540C	
Prep Date: 06-OCT-10	Aliquot: 12.74 g	

CAS No.	Parmname	Qual	Result	EMPC	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		6.68		pg/g	0.620	1.01
40321-76-4	1,2,3,7,8-PeCDD		22.9		pg/g	0.475	5.04
39227-28-6	1,2,3,4,7,8-HxCDD		33.7		pg/g	2.22	5.04
57653-85-7	1,2,3,6,7,8-HxCDD		65.8		pg/g	1.91	5.04
19408-74-3	1,2,3,7,8,9-HxCDD		52.4		pg/g	2.22	5.04
35822-46-9	1,2,3,4,6,7,8-HpCDD		1310		pg/g	5.68	5.04
3268-87-9	1,2,3,4,6,7,8,9-OCDD	E	10100		pg/g	4.77	10.1
51207-31-9	2,3,7,8-TCDF		79.4		pg/g	0.715	1.01
57117-41-6	1,2,3,7,8-PeCDF		83.3		pg/g	0.914	5.04
57117-31-4	2,3,4,7,8-PeCDF		160		pg/g	0.908	5.04
70648-26-9	1,2,3,4,7,8-HxCDF		197		pg/g	1.74	5.04
57117-44-9	1,2,3,6,7,8-HxCDF		139		pg/g	1.43	5.04
60851-34-5	2,3,4,6,7,8-HxCDF		199		pg/g	1.59	5.04
72918-21-9	1,2,3,7,8,9-HxCDF		49.5		pg/g	2.07	5.04
67562-39-4	1,2,3,4,6,7,8-HpCDF		658		pg/g	1.27	5.04
55673-89-7	1,2,3,4,7,8,9-HpCDF		77.7		pg/g	1.87	5.04
39001-02-0	1,2,3,4,6,7,8,9-OCDF		595		pg/g	1.72	10.1
41903-57-5	Total Tetrachlorodibenzo-p-dioxin		183	186	pg/g	0.620	1.01
36088-22-9	Total Pentachlorodibenzo-p-dioxin	Q	307		pg/g	0.475	5.04
34465-46-8	Total Hexachlorodibenzo-p-dioxin	Q	764	794	pg/g	1.91	5.04
37871-00-4	Total Heptachlorodibenzo-p-dioxin	E	2400		pg/g	5.68	5.04
30402-14-3	Total Tetrachlorodibenzofuran	EQ	1860	1910	pg/g	0.715	1.01
30402-15-4	Total Pentachlorodibenzofuran	Q	1780	1790	pg/g	0.908	5.04
55684-94-1	Total Hexachlorodibenzofuran	Q	1750		pg/g	1.43	5.04
38998-75-3	Total Heptachlorodibenzofuran		1040		pg/g	1.27	5.04
	TEQ WHO2005 ND=0		185		pg/g		
	TEQ WHO2005 ND=0.5		185		pg/g ^P		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		153	201	pg/g	75.8	(40%-135%)
13C-1,2,3,7,8-PeCDD		152	201	pg/g	75.4	(40%-135%)
13C-1,2,3,6,7,8-HxCDD		143	201	pg/g	70.9	(40%-135%)
13C-1,2,3,4,6,7,8-HpCDD		182	201	pg/g	90.1	(40%-135%)
13C-OCDD		410	403	pg/g	102	(40%-135%)
13C-2,3,7,8-TCDF		168	201	pg/g	83.3	(40%-135%)
13C-1,2,3,7,8-PeCDF		142	201	pg/g	70.7	(40%-135%)
13C-1,2,3,6,7,8-HxCDF		124	201	pg/g	61.5	(40%-135%)
13C-1,2,3,4,6,7,8-HpCDF		155	201	pg/g	76.7	(40%-135%)

Comments:

E Value is estimated - Concentration of the target analyte exceeds the instrument calibration range
Q Quantitative Interference

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

SDG Number: 0090532
 Lab Sample ID: 1723001
 Client Sample: 8290 Soil
 Client ID: P-TP-3(0-1)
 Batch ID: 16154
 Run Date: 10/21/2010 12:38
 Data File: b20oct10a_3-7
 Prep Batch: 15993
 Prep Date: 06-OCT-10

Client: AAIS001
 Date Collected: 09/21/2010 11:50
 Date Received: 09/24/2010 09:48
 Method: SW846 8290A
 Analyst: MJC
 Prep Method: SW846 3540C
 Aliquot: 12.74 g

Project: AAIS00110
 Matrix: SOIL
 %Moisture: 22.1
 Prep Basis: Dry Weight
 Instrument: HRP763
 Dilution: 1

CAS No.	Parmname	Qual	Result	EMPC	Units	EDL	PQL
51207-31-9	2,3,7,8-TCDF		68.0		pg/gP-	0.437	1.01

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

Comments:

- E Value is estimated - Concentration of the target analyte exceeds the instrument calibration range
- Q Quantitative Interference

Quality Control Summary

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

SDG Number: 0090532
Client ID: LCS for batch 15993
Lab Sample ID: 12002006
Instrument: HRP763
Analyst: MJC

Sample Type: Laboratory Control Sample
Matrix: SOIL
Analysis Date: 10/17/2010 13:02
Prep Batch ID: 15993
Batch ID: 16154
Dilution: 1

CAS No.	Parmname	Amount	Spike	Recovery Acceptance	
		Added	Conc.	%	Limits
		pg/g	pg/g		
1746-01-6	LCS 2,3,7,8-TCDD	20.0	21.9	109	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	120	120	70-130
57653-85-7	LCS 1,2,3,6,7,8-HxCDD	100	118	118	70-130
19408-74-3	LCS 1,2,3,7,8,9-HxCDD	100	134	134 *	70-130
35822-46-9	LCS 1,2,3,4,6,7,8-HpCDD	100	103	103	70-130
3268-87-9	LCS 1,2,3,4,6,7,8,9-OCDD	200	207	103	70-130
51207-31-9	LCS 2,3,7,8-TCDF	20.0	20.2	101	70-130
57117-41-6	LCS 1,2,3,7,8-PeCDF	100	106	106	70-130
57117-31-4	LCS 2,3,4,7,8-PeCDF	100	110	110	70-130
70648-26-9	LCS 1,2,3,4,7,8-HxCDF	100	117	117	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	117	117	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	105	105	70-130
39001-02-0	LCS 1,2,3,4,6,7,8,9-OCDF	200	206	103	70-130

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: 0090532

Matrix Type: SOLID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
12002006	LCS for batch 15993	13C-2,3,7,8-TCDD		84.1	(40%-135%)
		13C-1,2,3,7,8-PeCDD		105	(40%-135%)
		13C-1,2,3,6,7,8-HxCDD		84.5	(40%-135%)
		13C-1,2,3,4,6,7,8-HpCDD		96.8	(40%-135%)
		13C-OCDD		84.5	(40%-135%)
		13C-2,3,7,8-TCDF		96.4	(40%-135%)
		13C-1,2,3,7,8-PeCDF		101	(40%-135%)
		13C-1,2,3,6,7,8-HxCDF		84.0	(40%-135%)
		13C-1,2,3,4,6,7,8-HpCDF		89.4	(40%-135%)
12002007	LCSD for batch 15993	13C-2,3,7,8-TCDD		78.8	(40%-135%)
		13C-1,2,3,7,8-PeCDD		94.4	(40%-135%)
		13C-1,2,3,6,7,8-HxCDD		81.1	(40%-135%)
		13C-1,2,3,4,6,7,8-HpCDD		92.5	(40%-135%)
		13C-OCDD		78.3	(40%-135%)
		13C-2,3,7,8-TCDF		91.0	(40%-135%)
		13C-1,2,3,7,8-PeCDF		89.8	(40%-135%)
		13C-1,2,3,6,7,8-HxCDF		78.0	(40%-135%)
		13C-1,2,3,4,6,7,8-HpCDF		86.6	(40%-135%)
12002008	MB for batch 15993P	13C-2,3,7,8-TCDD		79.2	(40%-135%)
		13C-1,2,3,7,8-PeCDD		92.4	(40%-135%)
		13C-1,2,3,6,7,8-HxCDD		76.6	(40%-135%)
		13C-1,2,3,4,6,7,8-HpCDD		85.0	(40%-135%)
		13C-OCDD		72.4	(40%-135%)
		13C-2,3,7,8-TCDF		91.2	(40%-135%)
		13C-1,2,3,7,8-PeCDF		90.7	(40%-135%)
		13C-1,2,3,6,7,8-HxCDF		72.8	(40%-135%)
		13C-1,2,3,4,6,7,8-HpCDF		80.0	(40%-135%)
1723001	P-TP-3(0-1)	13C-2,3,7,8-TCDD		75.8	(40%-135%)
		13C-1,2,3,7,8-PeCDD		75.4	(40%-135%)
		13C-1,2,3,6,7,8-HxCDD		70.9	(40%-135%)
		13C-1,2,3,4,6,7,8-HpCDD		90.1	(40%-135%)
		13C-OCDD		102	(40%-135%)
		13C-2,3,7,8-TCDF		83.3	(40%-135%)
		13C-1,2,3,7,8-PeCDF		70.7	(40%-135%)
		13C-1,2,3,6,7,8-HxCDF		61.5	(40%-135%)
		13C-1,2,3,4,6,7,8-HpCDF		76.7	(40%-135%)

* Recovery outside Acceptance Limits

Column to be used to flag recovery values

D Sample Diluted

Method Blank Summary

Page 1 of 1

SDG Number: 0090532
Client ID: MB for batch 15993
Lab Sample ID: 12002008
Column:

Client: AAIS001
Instrument ID: HRP763
Prep Date: 06-OCT-10

Matrix: SOIL
Data File: b15oct10a_5-10
Analyzed: 10/17/10 14:34

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 15993	12002006	b15oct10a_5-8	10/17/10	1302
02 LCSD for batch 15993	12002007	b15oct10a_5-9	10/17/10	1348
03 P-TP-3(0-1)	1723001	b18oct10c-8	10/18/10	2326
04 P-TP-3(0-1)	1723001	b20oct10a_3-7	10/21/10	1238

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

SDG Number: 0090532
 Lab Sample ID: 12002006
 Client Sample: QC for batch 15993
 Client ID: LCS for batch 15993
 Batch ID: 16154
 Run Date: 10/17/2010 13:02
 Data File: b15oct10a_5-8
 Prep Batch: 15993
 Prep Date: 06-OCT-10

Client: AAIS001
 Method: SW846 8290A
 Analyst: MJC
 Prep Method: SW846 3540C
 Aliquot: 10 g

Project: QC
 Matrix: SOIL
 Prep Basis: As Received
 Instrument: HRP763
 Dilution: 1

CAS No.	Parmname	Qual	Result	EMPC	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		21.9		pg/g	0.210	1.00
40321-76-4	1,2,3,7,8-PeCDD		104		pg/g	0.166	5.00
39227-28-6	1,2,3,4,7,8-HxCDD		120		pg/g	0.486	5.00
57653-85-7	1,2,3,6,7,8-HxCDD		118		pg/g	0.416	5.00
19408-74-3	1,2,3,7,8,9-HxCDD		134		pg/g	0.484	5.00
35822-46-9	1,2,3,4,6,7,8-HpCDD		103		pg/g	0.452	5.00
3268-87-9	1,2,3,4,6,7,8,9-OCDD		207		pg/g	0.974	10.0
51207-31-9	2,3,7,8-TCDF		20.2		pg/g	0.127	1.00
57117-41-6	1,2,3,7,8-PeCDF		106		pg/g	0.192	5.00
57117-31-4	2,3,4,7,8-PeCDF		110		pg/g	0.191	5.00
70648-26-9	1,2,3,4,7,8-HxCDF		117		pg/g	0.514	5.00
57117-44-9	1,2,3,6,7,8-HxCDF		113		pg/g	0.422	5.00
72918-21-9	1,2,3,7,8,9-HxCDF		117		pg/g	0.612	5.00
60851-34-5	2,3,4,6,7,8-HxCDF		113		pg/g	0.468	5.00
67562-39-4	1,2,3,4,6,7,8-HpCDF		108		pg/g	0.382	5.00
55673-89-7	1,2,3,4,7,8,9-HpCDF		105		pg/g	0.566	5.00
39001-02-0	1,2,3,4,6,7,8,9-OCDF		206		pg/g	1.11	10.0

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		168	200	pg/g	84.1	(40%-135%)
13C-1,2,3,7,8-PeCDD		211	200	pg/g	105	(40%-135%)
13C-1,2,3,6,7,8-HxCDD		169	200	pg/g	84.5	(40%-135%)
13C-1,2,3,4,6,7,8-HpCDD		194	200	pg/g	96.8	(40%-135%)
13C-OCDD		338	400	pg/g	84.5	(40%-135%)
13C-2,3,7,8-TCDF		193	200	pg/g	96.4	(40%-135%)
13C-1,2,3,7,8-PeCDF		201	200	pg/g	101	(40%-135%)
13C-1,2,3,6,7,8-HxCDF		168	200	pg/g	84.0	(40%-135%)
13C-1,2,3,4,6,7,8-HpCDF		179	200	pg/g	89.4	(40%-135%)

Comments:

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

Page 1 of 1

SDG Number: 0090532	Client: AAIS001	Project: QC
Lab Sample ID: 12002007		Matrix: SOIL
Client Sample: QC for batch 15993		
Client ID: LCSD for batch 15993		Prep Basis: As Received
Batch ID: 16154	Method: SW846 8290A	
Run Date: 10/17/2010 13:48	Analyst: MJC	Instrument: HRP763
Data File: b15oct10a_5-9		Dilution: 1
Prep Batch: 15993	Prep Method: SW846 3540C	
Prep Date: 06-OCT-10	Aliquot: 10 g	

CAS No.	Parmname	Qual	Result	EMPC	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		21.9		pg/g	0.208	1.00
40321-76-4	1,2,3,7,8-PeCDD		107		pg/g	0.206	5.00
39227-28-6	1,2,3,4,7,8-HxCDD		119		pg/g	0.426	5.00
57653-85-7	1,2,3,6,7,8-HxCDD		113		pg/g	0.366	5.00
19408-74-3	1,2,3,7,8,9-HxCDD		128		pg/g	0.424	5.00
35822-46-9	1,2,3,4,6,7,8-HpCDD		103		pg/g	0.502	5.00
3268-87-9	1,2,3,4,6,7,8,9-OCDD		201		pg/g	1.14	10.0
51207-31-9	2,3,7,8-TCDF		19.8		pg/g	0.154	1.00
57117-41-6	1,2,3,7,8-PeCDF		106		pg/g	0.248	5.00
57117-31-4	2,3,4,7,8-PeCDF		107		pg/g	0.246	5.00
70648-26-9	1,2,3,4,7,8-HxCDF		117		pg/g	0.710	5.00
57117-44-9	1,2,3,6,7,8-HxCDF		114		pg/g	0.584	5.00
72918-21-9	1,2,3,7,8,9-HxCDF		122		pg/g	0.846	5.00
60851-34-5	2,3,4,6,7,8-HxCDF		114		pg/g	0.648	5.00
67562-39-4	1,2,3,4,6,7,8-HpCDF		101		pg/g	0.424	5.00
55673-89-7	1,2,3,4,7,8,9-HpCDF		99.8		pg/g	0.628	5.00
39001-02-0	1,2,3,4,6,7,8,9-OCDF		206		pg/g	1.14	10.0

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		158	200	pg/g	78.8	(40%-135%)
13C-1,2,3,7,8-PeCDD		189	200	pg/g	94.4	(40%-135%)
13C-1,2,3,6,7,8-HxCDD		162	200	pg/g	81.1	(40%-135%)
13C-1,2,3,4,6,7,8-HpCDD		185	200	pg/g	92.5	(40%-135%)
13C-OCDD		313	400	pg/g	78.3	(40%-135%)
13C-2,3,7,8-TCDF		182	200	pg/g	91.0	(40%-135%)
13C-1,2,3,7,8-PeCDF		180	200	pg/g	89.8	(40%-135%)
13C-1,2,3,6,7,8-HxCDF		156	200	pg/g	78.0	(40%-135%)
13C-1,2,3,4,6,7,8-HpCDF		173	200	pg/g	86.6	(40%-135%)

Comments:

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

SDG Number: 0090532
 Lab Sample ID: 12002008
 Client Sample: QC for batch 15993
 Client ID: MB for batch 15993
 Batch ID: 16154
 Run Date: 10/17/2010 14:34
 Data File: b15oct10a_5-10
 Prep Batch: 15993
 Prep Date: 06-OCT-10

Client: AAIS001
 Method: SW846 8290A
 Analyst: MJC
 Prep Method: SW846 3540C
 Aliquot: 10 g

Project: QC
 Matrix: SOIL
 Prep Basis: As Received
 Instrument: HRP763
 Dilution: 1

CAS No.	Parmname	Qual	Result	EMPC	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	.133		pg/g	0.133	1.00
40321-76-4	1,2,3,7,8-PeCDD	J	0.080		pg/g	0.0716	5.00
39227-28-6	1,2,3,4,7,8-HxCDD	U	.119		pg/g	0.119	5.00
57653-85-7	1,2,3,6,7,8-HxCDD	U	.102		pg/g	0.102	5.00
19408-74-3	1,2,3,7,8,9-HxCDD	JK		0.146	pg/g	0.118	5.00
35822-46-9	1,2,3,4,6,7,8-HpCDD	JK		0.214	pg/g	0.112	5.00
3268-87-9	1,2,3,4,6,7,8,9-OCDD	JK		0.708	pg/g	0.260	10.0
51207-31-9	2,3,7,8-TCDF	J	0.228		pg/g	0.0852	1.00
57117-41-6	1,2,3,7,8-PeCDF	J	0.070		pg/g	0.0532	5.00
57117-31-4	2,3,4,7,8-PeCDF	U	.053		pg/g	0.053	5.00
70648-26-9	1,2,3,4,7,8-HxCDF	U	.126		pg/g	0.126	5.00
57117-44-9	1,2,3,6,7,8-HxCDF	U	.103		pg/g	0.103	5.00
60851-34-5	2,3,4,6,7,8-HxCDF	U	.115		pg/g	0.115	5.00
72918-21-9	1,2,3,7,8,9-HxCDF	J	0.160		pg/g	0.150	5.00
67562-39-4	1,2,3,4,6,7,8-HpCDF	U	.0654		pg/g	0.0654	5.00
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	.0968		pg/g	0.0968	5.00
39001-02-0	1,2,3,4,6,7,8,9-OCDF	JK		0.256	pg/g	0.232	10.0
41903-57-5	Total Tetrachlorodibenzo-p-dioxin	U	.133		pg/g	0.133	1.00
36088-22-9	Total Pentachlorodibenzo-p-dioxin	J	0.080		pg/g	0.0716	5.00
34465-46-8	Total Hexachlorodibenzo-p-dioxin	U	.102	0.146	pg/g	0.102	5.00
37871-00-4	Total Heptachlorodibenzo-p-dioxin	U	.112	0.214	pg/g	0.112	5.00
30402-14-3	Total Tetrachlorodibenzofuran	J	0.358		pg/g	0.0852	1.00
30402-15-4	Total Pentachlorodibenzofuran	J	0.070		pg/g	0.053	5.00
55684-94-1	Total Hexachlorodibenzofuran	J	0.160		pg/g	0.103	5.00
38998-75-3	Total Heptachlorodibenzofuran	U	.0654		pg/g	0.0654	5.00
	TEQ WHO2005 ND=0		0.121	0.138	pg/g		
	TEQ WHO2005 ND=0.5		0.231	0.241	pg/g		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		158	200	pg/g	79.2	(40%-135%)
13C-1,2,3,7,8-PeCDD		185	200	pg/g	92.4	(40%-135%)
13C-1,2,3,6,7,8-HxCDD		153	200	pg/g	76.6	(40%-135%)
13C-1,2,3,4,6,7,8-HpCDD		170	200	pg/g	85.0	(40%-135%)
13C-OCDD		290	400	pg/g	72.4	(40%-135%)
13C-2,3,7,8-TCDF		182	200	pg/g	91.2	(40%-135%)
13C-1,2,3,7,8-PeCDF		181	200	pg/g	90.7	(40%-135%)
13C-1,2,3,6,7,8-HxCDF		146	200	pg/g	72.8	(40%-135%)
13C-1,2,3,4,6,7,8-HpCDF		160	200	pg/g	80.0	(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.

Appendix E

Certificate of Disposal and Non-Hazardous Materials Manifest – Decontamination Water

CERTIFICATE OF DISPOSAL

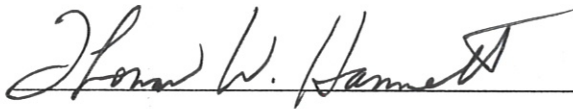
Evo Corporation does hereby certify that 1 drum of non-hazardous contaminated water received on 09/22/2010 from:

Generator: NC Department of Transportation

Originating at: Parcel 31 - 816 Howell Mill Road
(State Project U-4412)
Waynesville, NC

EC Waste ID #: 091017

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. **70043**

GENERATOR INFORMATION

Generator: NC Dept. of Transportation
Site Address: Parcel 31 - 816 Howell Mill Rd
City/State: Waynesville, NC 28786

Phone: 704-586-0007
Contact: David Graham

MATERIAL DESCRIPTION / QUANTITY / WEIGHT

Gross Weight (lbs): _____ Material: Water
Empty Weight (lbs): _____ Contaminant: Petroleum
Net Weight (lbs): _____

Quantity

1

Tons Drums Pails Sacs Yards Other: _____

TRANSPORTER INFORMATION

Transporter: Evo Corporation
Truck #: _____

Phone: 336-725-5844
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: Tim Myers

Date: 9-22-10

FACILITY INFORMATION

091017

Evo Project #: _____

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: Loren Felber

Date: 9/22/10

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

Appendix F
Site Photographs



Photograph 1: View of surface debris in Area 2.



Photograph 2: View of surface debris in Area 3.



Photograph 3: View of surface debris in Area 4.



Photograph 4: View of cellophane and ash in Area 5.



Photograph 5: View of cellophane and ash in test pit P-TP-3 in Area 5.



Photograph 6: View of surface debris in Area 5.



Photograph 7: View of surface debris in Area 6.



Photograph 8: View of scattered surface debris and gas tanks near test pit P-TP-5.