Hart & Hickman
A Professional Corporation
Our Clients Demand A Smarter Solution
2923 South Tryon Street
Suite 100 Charlotte, NC
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Via E-Mail

August 26, 2011

Parker Poe Adams & Bernstein LLP
Three Wells Fargo Center
401 S. Tryon St., Ste. 3000
Charlotte, NC 28202-1151

Attention: Ms. Allison Edgar

Re: Retention Pond Assessment Report
Former Volvo Construction Equipment Facility
2169 Hendersonville Rd
Asheville, NC
H&H Job No. PPA-040

Dear Allison:

1.0 Introduction

This report presents the results of stormwater retention pond assessment activities conducted by Hart & Hickman, PC (H&H) adjacent to the former Volvo Construction Equipment (VCE) facility located at 2169 Hendersonville Road in Asheville, Buncombe County, North Carolina (see Figure 1). The VCE facility formerly manufactured construction equipment but was closed in 2010. The VCE facility is currently vacant. The retention pond where the assessment was conducted is located just south of the former VCE facility on property which is owned by Progress Energy. The location of the retention pond is indicated in Figure 2, and the retention pond is referred to hereafter as the "main retention pond".

The main retention pond receives stormwater from the eastern and central portions of the property including parking lots and former equipment storage areas. Some site stormwater from the central portion of the property is routed to a concrete-lined basin located in the western portion of the site

(referred to as the "west pond") before discharging to the main retention pond in the southern portion of the site. The location of the west pond is indicated in Figure 2.

The main retention pond has four identified inlets, and water from the pond discharges to a vertical overflow pipe which routes water to Lake Julian. Water was not discharging to the overflow pipe at the time of the sampling. Lake Julian is located adjacent to the retention to the south and is classified by the North Carolina Department of Environment and Natural Resources (DENR) as a Class C surface water body. Reviewed documents indicate that the main retention pond is fed by a spring in the northern portion of the pond in addition to stormwater. The main retention pond is fenced on all sides except along the earthen dam. A small "fountain sprinkler" is present in the pond which sprays water vertically in the pond.

An assessment of the pond was conducted in 2005 which indicated the presence of impacts to sediment including the presence of volatile organic compounds (VOCs), metals, and petroleum hydrocarbons. Approximately 500 tons of impacted sediment and underlying soil were subsequently removed from the pond. No post-excavation samples were collected because the soil was excavated to the water table or competent rock. A temporary monitor well installed near the main retention pond did not indicate the presence of VOCs or semi-VOCs (SVOCs).

Reviewed documents also indicate that a spill occurred to the retention pond in 2008. An April 24, 2008 Petroleum Spill report compiled by HEPACO (spill response contractor) indicated that petroleum materials were spilled at the VCE facility which ultimately drained to the stormwater retention pond. HEPACO responded to the spill on March 31, 2008 and placed absorbent booms and pads in the north and northeastern portions of the pond.

The purpose of our activities was to determine if there is impact to soil/sediment and water in the main retention pond as a result of historical site activities. The methods, results, and conclusions of our retention pond assessment activities are presented below.

2.0 Sample Collection

On August 13, 2011, H&H collected four sediment samples from the main retention pond at the following locations:

- Sediment sample SS-1 was collected adjacent to the inlet located at the northeastern extent of the retention pond which appears to be the inflow point of the 2008 petroleum spill.
- Sediment sample SS-2 was collected near two adjacent inlets located along the northwestern edge of the retention pond which appear to transfer stormwater from the western concrete-lined retention pond.
- Sediment sample SS-3 was collected near the easternmost inlet in the location where absorbent booms appeared to have held spilled petroleum materials against the eastern bank of the pond during the 2008 spill.
- Sediment sample SS-4 was collected in the deepest part of the pond along the earthen dam near where the overflow pipe transmits retention pond overflow to the adjacent lake. A sample could not be collected in the central portion of the dam because the dam slope is steep and covered with rip-rap.

The sediment samples were collected with a decontaminated long handled scoop. The samples were analyzed for VOCs by EPA Method 8260B, SVOCs by EPA Method 8270D, hazardous substance list (HSL) metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, manganese, mercury, nickel, selenium, silver, thallium, and zinc) plus hexavalent chromium, gasoline range total petroleum hydrocarbons (TPH-GRO) and diesel range TPH (TPH-DRO) by EPA Method 8015C, and oil and grease by EPA Method 9071B.

In addition, H&H collected one surface water sample (SW-1) in the northeastern portion of the pond. The surface water sample was collected by using a bailer lowered into the pond. The surface water sample was collected prior to the sediment sampling and was conducted carefully so as to not

disturb the sediment during collection. The surface water sample was analyzed for VOCs by EPA Method 8260B, SVOCs by EPA Method 8270D, and the HSL metals. The sediment and surface water sample locations are depicted on Figure 3.

The sediment and surface water samples collected for laboratory analysis were placed in dedicated laboratory-supplied sample bottles. A chain-of-custody record was completed and included sample description, analyses required, matrix, sample container information, and date and time of sample collection. The chain-of-custody was signed by H&H and then placed with the sample bottles in an iced cooler for delivery to Prism Laboratories, Inc. (Prism) in Charlotte, NC (a North Carolina certified laboratory). The samples were analyzed on an expedited basis (24 hour turnaround time). The laboratory chain-of-custody forms and analytical data for the sediment and surface water samples are provided in Appendix A.

3.0 Results

Sediment

The results of laboratory analyses of the sediment samples are summarized in Table 1, and the laboratory analytical data sheets are provided in Appendix A. The sediment analytical results were compared to the DENR Inactive Hazardous Sites Branch (IHSB) Protection of Groundwater Preliminary Soil Remediation Goals (PGSRGs), Residential Health Based Soil Remedial Goals (HBSRGs), Industrial HBSRGs, and the EPA Region 4 sediment screening values.

Metals concentrations in the sediment samples were also compared to background levels. Because the samples were collected from a stormwater pond which also receives water from a spring, there is no upgradient background stream sample location associated with the main retention pond. As such, H&H compared the sediment concentrations to mean background sediment concentrations reported by the North Carolina Geological Survey and to shallow (5 ft or less) background soil samples collected as part of previous site assessment activities conducted at the VCE site. These

background levels are provided in Table 1. Please note that a deeper background soil sample was also collected previously at the site at a depth of 15 ft; however, this deeper background soil sample is considered less likely to be consistent with sediment concentrations.

The results of the sediment sample analyses indicate that SVOCs, TPH-GRO, TPH-DRO, and oil and grease were not detected in any of the collected sediment samples. Only a trace level of the VOC acetone was detected in sediment sample SS-3 at a concentration below the PGSRG and the HBSRGs. No other VOCs were detected in the sediment samples.

Several metals were detected in the pond sediment above screening levels as noted below:

- Arsenic was detected in sediment sample SS-4 at a concentration of 4.3 mg/kg which is above the background screening level range of 2 to 2.3 mg/kg, the residential HBSRG of 0.39 mg/kg, and the industrial HBSRG of 1.6 mg/kg. However, the concentrations are below the EPA Region 4 sediment screening value of 7.24 mg/kg.

- Hexavalent chromium was detected in sediment samples SS-1, SS-3, and SS-4 at concentrations ranging from 0.37 mg/kg to 2.23 mg/kg which are above the residential HBSRG of 0.29 mg/kg but below the PGSRG of 3.8 mg/kg and industrial HBSRG of 5.6 mg/kg. Previously collected shallow background soil sample data did not indicate any detections of hexavalent chromium; however, the detection limits for the previous background soil samples were greater than the detected levels in the sediment samples.

- Copper was detected in all of the sediment samples at concentrations ranging from 18 mg/kg to 34 mg/kg, which are above the background screening levels ranging from 7.3 mg/kg to 9.2 mg/kg. The detected copper concentrations are below the residential and industrial HBSRGs, but concentrations in SS-1, SS-2, and SS-4 exceeded the Region 4 sediment screening value of 16 mg/kg.

- Nickel was detected in sediment sample SS-1, SS-2, and SS-4 at concentrations ranging from 10 to 17 mg/kg which are above the background screening levels of <2 mg/kg to 7.6 mg/kg. The detected concentrations did not exceed the HBSRGs; however the nickel concentration in SS-4 of 17 mg/kg slightly exceeded the EPA Region 4 sediment screening value of 16 mg/kg.

- Zinc was detected in all four sediment samples at concentrations ranging from 51 mg/kg to 150 mg/kg which are above the background screening levels ranging from 5.9 mg/kg to 24.4 mg/kg. The sample concentrations did not exceed the HBSRGs, but the zinc concentration in sample SS-3 of 150 mg/kg exceeded the EPA Region 4 sediment screening value of 124 mg/kg.

Surface Water

The results of the surface water sampling are summarized in Table 2. No SVOCs were detected in the surface water sample. The VOC acetone was detected at a concentration well below the North Carolina surface water standard.

As indicated in Table 2, zinc was detected in the surface water sample at a concentration of 78 µg/l which is above the North Carolina action level per 15A NCAC 2B .0211 of 50 µg/l, and the EPA Region 4 Freshwater Surface Water screening acute and chronic effect values of 65.04 µg/l and 58.91 µg/l, respectively.

4.0 Conclusions

Results of the sediment and surface water sampling did not indicate the presence of VOCs, SVOCs and petroleum hydrocarbons at levels of concern. Several metals including arsenic, hexavalent chromium, copper, nickel, and zinc were detected in pond sediment at concentrations above shallow soil background levels and mean sediment background concentrations as well as regulatory

screening levels. In addition, zinc was detected in surface water above the NC surface water standard and the EPA Region 4 Freshwater Surface Water acute and chronic effects screening values.

H&H does not have sufficient upgradient background surface water and sediment data for comparison of the detected metals concentrations. As such, it is unclear if the detected metals concentrations are background or are associated with former VCE operations. H&H recommends that the results of the assessment activities be provided to DENR to determine if the detected concentrations pose a significant potential concern. Based upon DENR's review, additional assessment and/or background evaluation may be warranted.

If you have any questions concerning this report, please contact us.

Very truly yours,

Hart & Hickman, PC

Steven Hart, PG
Principal

Kurtis Beshers (SHH)

Kurtis Beshers, PG
Project Geologist

Table 1 (Page 1 of 1)
Summary of Retention Pond Sediment Analytical Data
Former Volvo Construction Equipment Facility
Asheville, North Carolina

Location					**Background Screening**				**Regulatory Screening Levels**			
						Background Soil Samples						
Sample ID	SS-1	SS-2	SS-3	SS-4	NC Mean Background Sediment Concentrations[1]	BG-1	BG-2	BG-3	DENR IHSB Protection of Ground Water SRG[2]	DENR IHSB Residential Use SRG[2]	DENR IHSB Industrial Use SRG[2]	EPA Region 4 Sediment Screening Values[3]
Depth (ft bgs)						15	5	1				
Sample Date	8/13/2011	8/13/2011	8/13/2011	8/13/2011		6/16/2011	6/16/2011	6/16/2011				
Units	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
VOCs (8260B)												
Acetone	<0.019	<0.022	0.028	<0.029	--	--	--	--	24	12,000	630,000	NS
SVOCs (8270C)	BRL	BRL	BRL	BRL	--	--	--	--	--	--	--	--
HSL Metals												
Arsenic	1.3	1.7	2.4	**4.3**	2.1	2.0	<0.50	2.3	5.8	0.39	1.6	7.24
Beryllium	0.51	0.84	0.67	1.2	1.1	1.9	0.88	0.58	63	32	2,000	NS
Total Chromium	28	36	32	30	12.8	59.4	12.8	27.7	NS	NS	NS	52.3
Hexavalent Chromium	**2.23**	<0.314	**1.68**	**0.370 J**	NS	<4.8	<5.8	<6.4	3.8	0.29	5.6	NS
Trivalent Chromium (rounded values)	26	36	30	30	NS	59.4	12.8	27.7	360,000	24,000	100,000	NS
Copper	**27**	**21**	**18**	**34**	7.3	48.4	9.2	8.7	700	620	41,000	18.7
Lead	5.7	6.6	11	12	11	13.8	26.0	13.9	270	400	800	30.2
Manganese	97	220	64	140	762	122	137	87.9	65	360	23,000	NS
Nickel	**10**	**11**	7.4	**17**	7.6	22.4	<0.50	2.0	130	300	20,000	16
Selenium	1.0	1.9	1.9	3.4	1	7.5	5.1	4.3	2.1	78	5,100	NS
Zinc	**51**	**110**	**150**	**87**	24.4	156	5.9	8.3	1,200	4,600	310,000	124
TPH DRO/GRO (8015)					**NCDENR Action Levels[4] (mg/kg)**							
Diesel Range Organics (DRO)	<10	<8.8	<9.4	<10	40							
Gasoline Range Organics (GRO)	<5.8	<5.3	<5.9	<12	10							
Oil and Grease (9071)	<57	<50	<54	<59	250							

Notes:
1. NCGS, 1991. A Geochemical Atlas of North Carolina. North Carolina Geological Survey Bulletin 93.
2. North Carolina Department of Environment and Natural Resources (DENR) Inactive Hazardous Sites Branch (IHSB) Preliminary Soil Remediation Goals Table dated August 2011.
3. USEPA. 2001. Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment. Updated November 30, 2001.
4. DENR UST Section action levels for petroleum releases from non-UST sources.

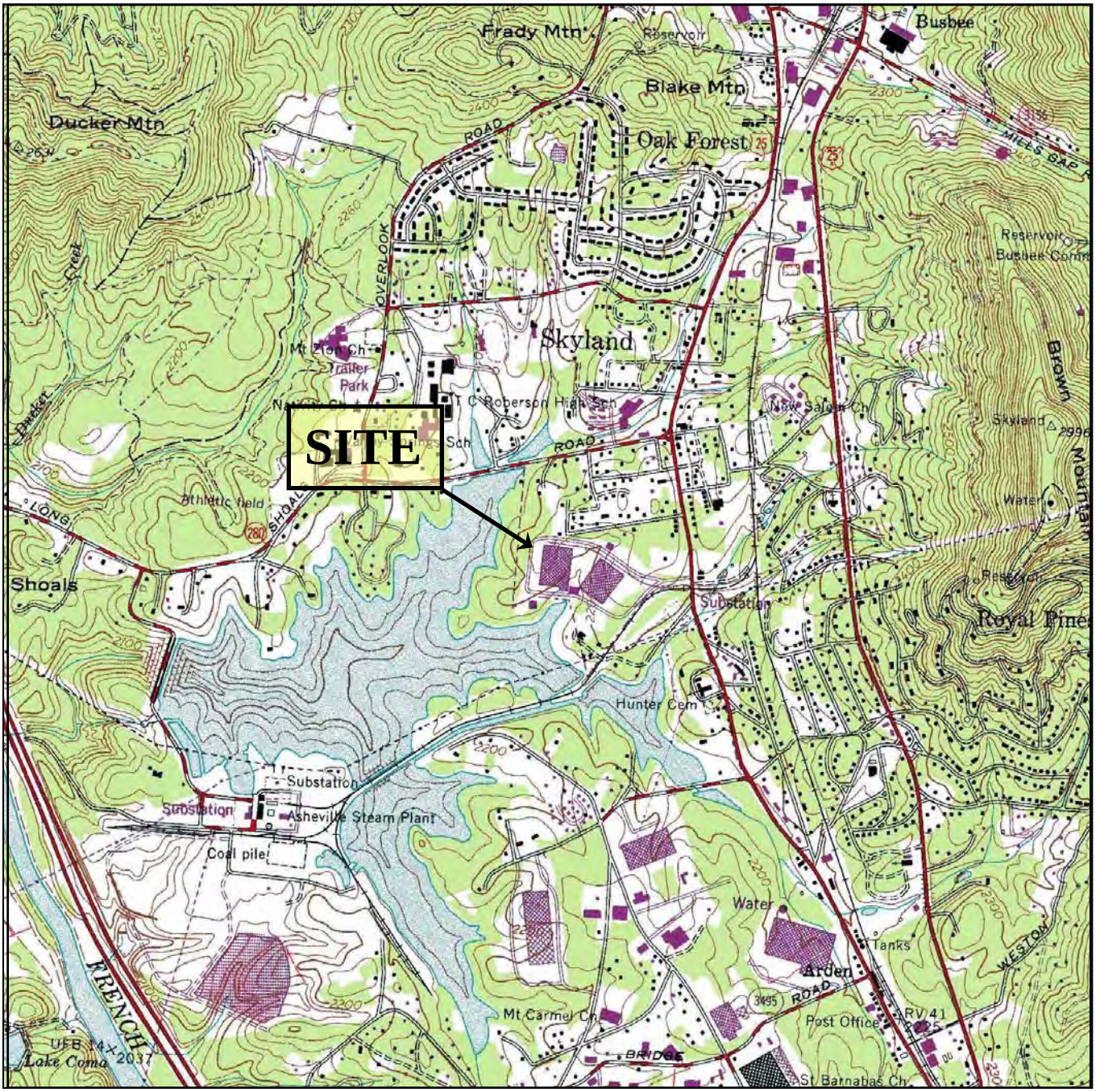
Only those compounds detected in at least one sample shown above
Underline and Bold indicates concentration significantly exceeds shallow (5 ft or less) soil background concentrations and NC mean sediment background levels.
Green highlighting indicates a concentration above shallow soil background levels and NC mean sediment background levels, and Residential Use SRGs.
Orange highlighting indicates concentration above shallow soil background levels and NC mean sediment background levels and Industrial Use SRGs.
Blue highlighting indicates a concentration above EPA Region 4 Sediment Screening Values
VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds; HSL = Hazardous Substance List
TPH = total petroleum hydrocarbons; DRO = Diesel Range Organics; GRO = Gasoline Range Organics
NS = screening criteria not specified; -- = Not applicable; BRL = No compound detected above reporting limits
J = Result is between the Method Detection Limit (MDL) and Reporting Detection Limit (RDL)
mg/kg = milligrams per kilogram

Table 2 (Page 1 of 1)
Summary of Retention Pond Surface Water Analytical Data
Former Volvo Construction Equipment Facility
Asheville, North Carolina

		Screening Levels	
Location	Retention Pond Water	NC Surface Water Standard or Criteria [1]	EPA Region 4 Freshwater Surface Water Screening Values [2]
Sample ID	SW-1		
Sample Date	8/13/2011		
Units	(µg/L)	(µg/L)	(µg/L)
VOCs (8260B)			
Acetone	5.2	2,000	NS
SVOCs (8270C)	BRL	--	--
HSL Metals			
Manganese	88	200*	NS
Zinc	**78**	50 (AL)	65.04/58.91**

Notes:
1. North Carolina Surface Water Standards and Criteria Table dated February 5, 2010.
(The most stringent of either Freshwater or Human Health standards were used)
2. USEPA. 2001. Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment Updated November 30, 2001

Bold and green highlighting indicates concentration above the screening level.
Only detected compounds are shown.
NS = Not Specified
-- = Not Applicable
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds;
HSL = Hazardous Substance List
AL = Action Level per 15A NCAC 2B .0211
* = Value is for water supply classification streams; Lake Julian is a Class C stream.
** = Values are for acute/chronic effects; values may be adjusted based upon hardness of the water
µg/L = micrograms per liter



N

APPROXIMATE

0 2000 4000

SCALE IN FEET

U.S.G.S. QUADRANGLE MAP

Skyland, NC 1965
Revised 1991

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE	SITE LOCATION MAP
PROJECT	FOMER VOLVO CONSTRUCTION EQUIPMENT ASHEVILLE, NC

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

DATE:	06-28-11	REVISION NO:	0
JOB NO:	PPA-040	FIGURE:	1

N

APPROXIMATE
0 150 300
SCALE IN FEET

TITLE

SITE MAP

PROJECT

FORMER VOLVO CONSTRUCTION EQUIPMENT
ASHEVILLE, NORTH CAROLINA

Hart & Hickman
A PROFESSIONAL CORPORATION
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Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 8–19–11	REVISION NO. 0
JOB NO. PPA–040	FIGURE NO. 2

LEGEND

INLET

SEDIMENT SAMPLE LOCATION

SURFACE WATER SAMPLE LOCATION

N

APPROXIMATE

0 40 80

SCALE IN FEET

TITLE

SEDIMENT SAMPLE AND SURFACE WATER SAMPLE LOCATIONS

PROJECT

FORMER VOLVO CONSTRUCTION EQUIPMENT
ASHEVILLE, NORTH CAROLINA

Hart & Hickman
A PROFESSIONAL CORPORATION
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DATE: 8–16–11	REVISION NO. 0
JOB NO. PPA–040	FIGURE NO. 3

Appendix A

Laboratory Analytical Data

Case Narrative

08/17/2011

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

Project: PPA-040
Project No.: PPA-040
Lab Submittal Date: 08/15/2011
Prism Work Order: 1080358

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:

Hexavalent Chromium analysis was subcontracted to GCAL. 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

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

Data Qualifiers Key Reference:

A	Low level vials had solids around the inside top of the cap preventing proper sealing at the time of purging. This resulted in a bad purge. Reported results of this sample were prepped in house from a soil jar.
D	RPD value outside of the control limits.
E	Estimated concentration above the calibration range
L1	LCS recovery outside of the QC limits. LCSD recovery within the limits. No further action taken.
L2	LCSD recovery outside of the QC limits. LCS recovery within the limits. No further action taken.
LH	High LCS recovery. Analyte not detected in the sample(s). No further action taken.
M	Matrix spike outside of the control limits.
MC	Sample concentration too high for recovery evaluation.
MI	Matrix spike outside of the control limits. Matrix interference suspected.
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.

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Sample Receipt Summary

08/17/2011

Prism Work Order: 1080358

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
SW-1	1080358-01	Water	08/13/11	08/15/11
SS-1	1080358-02	Soil	08/13/11	08/15/11
SS-2	1080358-03	Soil	08/13/11	08/15/11
SS-3	1080358-04	Soil	08/13/11	08/15/11
SS-4	1080358-05	Soil	08/13/11	08/15/11

Samples received in good condition at 1.2 degrees C unless otherwise noted.

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

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Water

Client Sample ID: SW-1
Prism Sample ID: 1080358-01
Prism Work Order: 1080358
Time Collected: 08/13/11 11:50
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.2	1	*8270D	8/15/11 16:19	KC	P1H0309
1,2-Dichlorobenzene	BRL	ug/L	10	1.8	1	*8270D	8/15/11 16:19	KC	P1H0309
1,3-Dichlorobenzene	BRL	ug/L	10	1.8	1	*8270D	8/15/11 16:19	KC	P1H0309
1,4-Dichlorobenzene	BRL	ug/L	10	2.0	1	*8270D	8/15/11 16:19	KC	P1H0309
2,4,5-Trichlorophenol	BRL	ug/L	10	2.5	1	*8270D	8/15/11 16:19	KC	P1H0309
2,4,6-Trichlorophenol	BRL	ug/L	10	2.3	1	*8270D	8/15/11 16:19	KC	P1H0309
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	*8270D	8/15/11 16:19	KC	P1H0309
2,4-Dimethylphenol	BRL	ug/L	10	2.4	1	*8270D	8/15/11 16:19	KC	P1H0309
2,4-Dinitrophenol	BRL	ug/L	10	2.4	1	*8270D	8/15/11 16:19	KC	P1H0309
2,4-Dinitrotoluene	BRL	ug/L	10	0.95	1	*8270D	8/15/11 16:19	KC	P1H0309
2,6-Dinitrotoluene	BRL	ug/L	10	1.6	1	*8270D	8/15/11 16:19	KC	P1H0309
2-Chloronaphthalene	BRL	ug/L	10	2.3	1	*8270D	8/15/11 16:19	KC	P1H0309
2-Chlorophenol	BRL	ug/L	10	2.1	1	*8270D	8/15/11 16:19	KC	P1H0309
2-Methylnaphthalene	BRL	ug/L	10	2.6	1	*8270D	8/15/11 16:19	KC	P1H0309
2-Methylphenol	BRL	ug/L	10	2.4	1	*8270D	8/15/11 16:19	KC	P1H0309
2-Nitroaniline	BRL	ug/L	10	1.9	1	*8270D	8/15/11 16:19	KC	P1H0309
2-Nitrophenol	BRL	ug/L	10	2.5	1	*8270D	8/15/11 16:19	KC	P1H0309
3,3'-Dichlorobenzidine	BRL	ug/L	10	0.96	1	*8270D	8/15/11 16:19	KC	P1H0309
3/4-Methylphenol	BRL	ug/L	10	2.4	1	*8270D	8/15/11 16:19	KC	P1H0309
3-Nitroaniline	BRL	ug/L	10	1.3	1	*8270D	8/15/11 16:19	KC	P1H0309
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.7	1	*8270D	8/15/11 16:19	KC	P1H0309
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	*8270D	8/15/11 16:19	KC	P1H0309
4-Chloro-3-methylphenol	BRL	ug/L	10	2.3	1	*8270D	8/15/11 16:19	KC	P1H0309
4-Chloroaniline	BRL	ug/L	10	2.5	1	*8270D	8/15/11 16:19	KC	P1H0309
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.8	1	*8270D	8/15/11 16:19	KC	P1H0309
4-Nitroaniline	BRL	ug/L	10	0.91	1	*8270D	8/15/11 16:19	KC	P1H0309
4-Nitrophenol	BRL	ug/L	10	2.6	1	*8270D	8/15/11 16:19	KC	P1H0309
Acenaphthene	BRL	ug/L	10	2.1	1	*8270D	8/15/11 16:19	KC	P1H0309
Acenaphthylene	BRL	ug/L	10	2.2	1	*8270D	8/15/11 16:19	KC	P1H0309
Aniline	BRL	ug/L	10	2.2	1	*8270D	8/15/11 16:19	KC	P1H0309
Anthracene	BRL	ug/L	10	1.2	1	*8270D	8/15/11 16:19	KC	P1H0309
Azobenzene	BRL	ug/L	10	1.8	1	*8270D	8/15/11 16:19	KC	P1H0309
Benzo(a)anthracene	BRL	ug/L	10	0.95	1	*8270D	8/15/11 16:19	KC	P1H0309
Benzo(a)pyrene	BRL	ug/L	10	1.1	1	*8270D	8/15/11 16:19	KC	P1H0309
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	*8270D	8/15/11 16:19	KC	P1H0309
Benzo(g,h,i)perylene	BRL	ug/L	10	2.1	1	*8270D	8/15/11 16:19	KC	P1H0309
Benzo(k)fluoranthene	BRL	ug/L	10	1.1	1	*8270D	8/15/11 16:19	KC	P1H0309
Benzoic Acid	BRL	ug/L	100	50	1	*8270D	8/15/11 16:19	KC	P1H0309
Benzyl alcohol	BRL	ug/L	10	2.1	1	*8270D	8/15/11 16:19	KC	P1H0309
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	*8270D	8/15/11 16:19	KC	P1H0309
Bis(2-Chloroethyl)ether	BRL	ug/L	10	1.9	1	*8270D	8/15/11 16:19	KC	P1H0309
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.3	1	*8270D	8/15/11 16:19	KC	P1H0309

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Water

Client Sample ID: SW-1
Prism Sample ID: 1080358-01
Prism Work Order: 1080358
Time Collected: 08/13/11 11:50
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.8	1	*8270D	8/15/11 16:19	KC	P1H0309
Butyl benzyl phthalate	BRL	ug/L	10	1.5	1	*8270D	8/15/11 16:19	KC	P1H0309
Chrysene	BRL	ug/L	10	1.2	1	*8270D	8/15/11 16:19	KC	P1H0309
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.8	1	*8270D	8/15/11 16:19	KC	P1H0309
Dibenzofuran	BRL	ug/L	10	2.2	1	*8270D	8/15/11 16:19	KC	P1H0309
Diethyl phthalate	BRL	ug/L	10	1.4	1	*8270D	8/15/11 16:19	KC	P1H0309
Dimethyl phthalate	BRL	ug/L	10	1.6	1	*8270D	8/15/11 16:19	KC	P1H0309
Di-n-butyl phthalate	BRL	ug/L	10	1.8	1	*8270D	8/15/11 16:19	KC	P1H0309
Di-n-octyl phthalate	BRL	ug/L	10	1.9	1	*8270D	8/15/11 16:19	KC	P1H0309
Fluoranthene	BRL	ug/L	10	0.94	1	*8270D	8/15/11 16:19	KC	P1H0309
Fluorene	BRL	ug/L	10	1.8	1	*8270D	8/15/11 16:19	KC	P1H0309
Hexachlorobenzene	BRL	ug/L	10	1.4	1	*8270D	8/15/11 16:19	KC	P1H0309
Hexachlorobutadiene	BRL	ug/L	10	2.3	1	*8270D	8/15/11 16:19	KC	P1H0309
Hexachlorocyclopentadiene	BRL	ug/L	10	1.8	1	*8270D	8/15/11 16:19	KC	P1H0309
Hexachloroethane	BRL	ug/L	10	1.9	1	*8270D	8/15/11 16:19	KC	P1H0309
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	1.6	1	*8270D	8/15/11 16:19	KC	P1H0309
Isophorone	BRL	ug/L	10	2.4	1	*8270D	8/15/11 16:19	KC	P1H0309
Naphthalene	BRL	ug/L	10	2.3	1	*8270D	8/15/11 16:19	KC	P1H0309
Nitrobenzene	BRL	ug/L	10	2.0	1	*8270D	8/15/11 16:19	KC	P1H0309
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.3	1	*8270D	8/15/11 16:19	KC	P1H0309
N-Nitrosodiphenylamine	BRL	ug/L	10	1.6	1	*8270D	8/15/11 16:19	KC	P1H0309
Pentachlorophenol	BRL	ug/L	10	1.6	1	*8270D	8/15/11 16:19	KC	P1H0309
Phenanthrene	BRL	ug/L	10	1.2	1	*8270D	8/15/11 16:19	KC	P1H0309
Phenol	BRL	ug/L	10	2.2	1	*8270D	8/15/11 16:19	KC	P1H0309
Pyrene	BRL	ug/L	10	1.4	1	*8270D	8/15/11 16:19	KC	P1H0309

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*96 %*	*26-139*
2-Fluorobiphenyl	*89 %*	*41-112*
2-Fluorophenol	*47 %*	*10-48*
Nitrobenzene-d5	*84 %*	*34-102*
Phenol-d5	*30 %*	*10-34*
Terphenyl-d14	*106 %*	*31-165*

Total Metals

Mercury	BRL	mg/L	0.00020	0.000014	1	*7470A	8/16/11 11:17	LTB	P1H0302
Antimony	BRL	mg/L	0.010	0.00060	1	*6010C	8/15/11 19:55	LTB	P1H0285
Arsenic	BRL	mg/L	0.010	0.0020	1	*6010C	8/15/11 19:55	LTB	P1H0285
Beryllium	BRL	mg/L	0.0020	0.00015	1	*6010C	8/15/11 19:55	LTB	P1H0285
Cadmium	BRL	mg/L	0.0010	0.000086	1	*6010C	8/15/11 19:55	LTB	P1H0285
Chromium	BRL	mg/L	0.0050	0.00017	1	*6010C	8/15/11 19:55	LTB	P1H0285
Copper	BRL	mg/L	0.010	0.00068	1	*6010C	8/15/11 19:55	LTB	P1H0285
Lead	BRL	mg/L	0.0050	0.00077	1	*6010C	8/15/11 19:55	LTB	P1H0285
Manganese	**0.088**	**mg/L**	**0.010**	**0.00057**	**1**	***6010C**	**8/15/11 19:55**	**LTB**	**P1H0285**
Nickel	BRL	mg/L	0.010	0.00035	1	*6010C	8/15/11 19:55	LTB	P1H0285

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Water

Client Sample ID: SW-1
Prism Sample ID: 1080358-01
Prism Work Order: 1080358
Time Collected: 08/13/11 11:50
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Selenium	BRL	mg/L	0.020	0.0023	1	*6010C	8/16/11 12:18	LTB	P1H0285
Silver	BRL	mg/L	0.0050	0.00034	1	*6010C	8/15/11 19:55	LTB	P1H0285
Thallium	BRL	mg/L	0.010	0.00081	1	*6010C	8/15/11 19:55	LTB	P1H0285
Zinc	**0.078**	**mg/L**	**0.030**	**0.00083**	**1**	***6010C**	**8/15/11 19:55**	**LTB**	**P1H0285**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,1-Dichloroethane	BRL	ug/L	0.50	0.096	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,1-Dichloropropylene	BRL	ug/L	0.50	0.061	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.20	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.10	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.048	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.057	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.074	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,3-Dichloropropane	BRL	ug/L	0.50	0.11	1	*8260B	8/16/11 3:28	MGB	P1H0314
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	*8260B	8/16/11 3:28	MGB	P1H0314
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	8/16/11 3:28	MGB	P1H0314
2-Chloroethyl Vinyl Ether	BRL	ug/L	2.0	0.22	1	*8260B	8/16/11 3:28	MGB	P1H0314
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	*8260B	8/16/11 3:28	MGB	P1H0314
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	*8260B	8/16/11 3:28	MGB	P1H0314
4-Isopropyltoluene	BRL	ug/L	0.50	0.065	1	*8260B	8/16/11 3:28	MGB	P1H0314
Acetone	**5.2**	**ug/L**	**5.0**	**0.62**	**1**	***8260B**	**8/16/11 3:28**	**MGB**	**P1H0314**
Acrolein	BRL	ug/L	20	1.1	1	*8260B	8/16/11 3:28	MGB	P1H0314
Acrylonitrile	BRL	ug/L	20	0.86	1	*8260B	8/16/11 3:28	MGB	P1H0314
Benzene	BRL	ug/L	0.50	0.072	1	*8260B	8/16/11 3:28	MGB	P1H0314
Bromobenzene	BRL	ug/L	0.50	0.064	1	*8260B	8/16/11 3:28	MGB	P1H0314
Bromochloromethane	BRL	ug/L	0.50	0.13	1	*8260B	8/16/11 3:28	MGB	P1H0314
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	*8260B	8/16/11 3:28	MGB	P1H0314
Bromoform	BRL	ug/L	1.0	0.27	1	*8260B	8/16/11 3:28	MGB	P1H0314
Bromomethane	BRL	ug/L	1.0	0.47	1	*8260B	8/16/11 3:28	MGB	P1H0314
Carbon disulfide	BRL	ug/L	5.0	1.4	1	*8260B	8/16/11 3:28	MGB	P1H0314
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	*8260B	8/16/11 3:28	MGB	P1H0314
Chlorobenzene	BRL	ug/L	0.50	0.061	1	*8260B	8/16/11 3:28	MGB	P1H0314
Chloroethane	BRL	ug/L	0.50	0.13	1	*8260B	8/16/11 3:28	MGB	P1H0314

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Laboratory Report

08/17/2011

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Water

Client Sample ID: SW-1
Prism Sample ID: 1080358-01
Prism Work Order: 1080358
Time Collected: 08/13/11 11:50
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroform	BRL	ug/L	0.50	0.089	1	*8260B	8/16/11 3:28	MGB	P1H0314
Chloromethane	BRL	ug/L	0.50	0.11	1	*8260B	8/16/11 3:28	MGB	P1H0314
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.076	1	*8260B	8/16/11 3:28	MGB	P1H0314
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	*8260B	8/16/11 3:28	MGB	P1H0314
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	*8260B	8/16/11 3:28	MGB	P1H0314
Dibromomethane	BRL	ug/L	0.50	0.13	1	*8260B	8/16/11 3:28	MGB	P1H0314
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	*8260B	8/16/11 3:28	MGB	P1H0314
Ethylbenzene	BRL	ug/L	0.50	0.067	1	*8260B	8/16/11 3:28	MGB	P1H0314
Hexachlorobutadiene	BRL	ug/L	2.0	0.36	1	*8260B	8/16/11 3:28	MGB	P1H0314
Isopropyl Ether	BRL	ug/L	0.50	0.043	1	*8260B	8/16/11 3:28	MGB	P1H0314
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.072	1	*8260B	8/16/11 3:28	MGB	P1H0314
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	*8260B	8/16/11 3:28	MGB	P1H0314
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	*8260B	8/16/11 3:28	MGB	P1H0314
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	*8260B	8/16/11 3:28	MGB	P1H0314
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	*8260B	8/16/11 3:28	MGB	P1H0314
Methylene Chloride	BRL	ug/L	1.0	0.44	1	*8260B	8/16/11 3:28	MGB	P1H0314
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.070	1	*8260B	8/16/11 3:28	MGB	P1H0314
Naphthalene	BRL	ug/L	1.0	0.098	1	*8260B	8/16/11 3:28	MGB	P1H0314
n-Butylbenzene	BRL	ug/L	1.0	0.11	1	*8260B	8/16/11 3:28	MGB	P1H0314
n-Propylbenzene	BRL	ug/L	0.50	0.060	1	*8260B	8/16/11 3:28	MGB	P1H0314
o-Xylene	BRL	ug/L	0.50	0.046	1	*8260B	8/16/11 3:28	MGB	P1H0314
sec-Butylbenzene	BRL	ug/L	0.50	0.087	1	*8260B	8/16/11 3:28	MGB	P1H0314
Styrene	BRL	ug/L	0.50	0.047	1	*8260B	8/16/11 3:28	MGB	P1H0314
tert-Butylbenzene	BRL	ug/L	0.50	0.080	1	*8260B	8/16/11 3:28	MGB	P1H0314
Tetrachloroethylene	BRL	ug/L	0.50	0.069	1	*8260B	8/16/11 3:28	MGB	P1H0314
Toluene	BRL	ug/L	0.50	0.042	1	*8260B	8/16/11 3:28	MGB	P1H0314
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	*8260B	8/16/11 3:28	MGB	P1H0314
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	*8260B	8/16/11 3:28	MGB	P1H0314
Trichloroethylene	BRL	ug/L	0.50	0.054	1	*8260B	8/16/11 3:28	MGB	P1H0314
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	*8260B	8/16/11 3:28	MGB	P1H0314
Vinyl acetate	BRL	ug/L	2.0	0.10	1	*8260B	8/16/11 3:28	MGB	P1H0314
Vinyl chloride	BRL	ug/L	0.50	0.16	1	*8260B	8/16/11 3:28	MGB	P1H0314

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*93 %*	*80-124*
Dibromofluoromethane	*102 %*	*75-129*
Toluene-d8	*91 %*	*77-123*

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-1
Prism Sample ID: 1080358-02
Prism Work Order: 1080358
Time Collected: 08/13/11 12:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	10	2.9	1	*8015C	8/15/11 19:33	JMV	P1H0283
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			*124 %*		*49-124*	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	5.8	0.76	50	*8015C	8/15/11 11:26	CBL	P1H0269
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			*91 %*		*55-129*	
General Chemistry Parameters									
% Solids	**69.6**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**8/15/11 15:45**	**JAB**	**P1H0306**
Oil & Grease (SGT-HEM)	BRL	mg/kg dry	57	17	1	*9071B	8/15/11 11:00	CKD	P1H0333
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/kg dry	470	170	1	*8270D	8/15/11 18:38	KC	P1H0287
1,2-Dichlorobenzene	BRL	ug/kg dry	470	160	1	*8270D	8/15/11 18:38	KC	P1H0287
1,3-Dichlorobenzene	BRL	ug/kg dry	470	160	1	*8270D	8/15/11 18:38	KC	P1H0287
1,4-Dichlorobenzene	BRL	ug/kg dry	470	150	1	*8270D	8/15/11 18:38	KC	P1H0287
2,4,5-Trichlorophenol	BRL	ug/kg dry	470	130	1	*8270D	8/15/11 18:38	KC	P1H0287
2,4,6-Trichlorophenol	BRL	ug/kg dry	470	160	1	*8270D	8/15/11 18:38	KC	P1H0287
2,4-Dichlorophenol	BRL	ug/kg dry	470	170	1	*8270D	8/15/11 18:38	KC	P1H0287
2,4-Dimethylphenol	BRL	ug/kg dry	470	190	1	*8270D	8/15/11 18:38	KC	P1H0287
2,4-Dinitrophenol	BRL	ug/kg dry	470	74	1	*8270D	8/15/11 18:38	KC	P1H0287
2,4-Dinitrotoluene	BRL	ug/kg dry	470	81	1	*8270D	8/15/11 18:38	KC	P1H0287
2,6-Dinitrotoluene	BRL	ug/kg dry	470	71	1	*8270D	8/15/11 18:38	KC	P1H0287
2-Chloronaphthalene	BRL	ug/kg dry	470	160	1	*8270D	8/15/11 18:38	KC	P1H0287
2-Chlorophenol	BRL	ug/kg dry	470	180	1	*8270D	8/15/11 18:38	KC	P1H0287
2-Methylnaphthalene	BRL	ug/kg dry	470	170	1	*8270D	8/15/11 18:38	KC	P1H0287
2-Methylphenol	BRL	ug/kg dry	470	170	1	*8270D	8/15/11 18:38	KC	P1H0287
2-Nitroaniline	BRL	ug/kg dry	470	83	1	*8270D	8/15/11 18:38	KC	P1H0287
2-Nitrophenol	BRL	ug/kg dry	470	170	1	*8270D	8/15/11 18:38	KC	P1H0287
3,3'-Dichlorobenzidine	BRL	ug/kg dry	470	79	1	*8270D	8/15/11 18:38	KC	P1H0287
3/4-Methylphenol	BRL	ug/kg dry	470	130	1	*8270D	8/15/11 18:38	KC	P1H0287
3-Nitroaniline	BRL	ug/kg dry	470	140	1	*8270D	8/15/11 18:38	KC	P1H0287
4,6-Dinitro-2-methylphenol	BRL	ug/kg dry	470	51	1	*8270D	8/15/11 18:38	KC	P1H0287
4-Bromophenyl phenyl ether	BRL	ug/kg dry	470	110	1	*8270D	8/15/11 18:38	KC	P1H0287
4-Chloro-3-methylphenol	BRL	ug/kg dry	470	170	1	*8270D	8/15/11 18:38	KC	P1H0287
4-Chloroaniline	BRL	ug/kg dry	470	160	1	*8270D	8/15/11 18:38	KC	P1H0287
4-Chlorophenyl phenyl ether	BRL	ug/kg dry	470	140	1	*8270D	8/15/11 18:38	KC	P1H0287
4-Nitroaniline	BRL	ug/kg dry	470	120	1	*8270D	8/15/11 18:38	KC	P1H0287
4-Nitrophenol	BRL	ug/kg dry	470	58	1	*8270D	8/15/11 18:38	KC	P1H0287
Acenaphthene	BRL	ug/kg dry	470	150	1	*8270D	8/15/11 18:38	KC	P1H0287
Acenaphthylene	BRL	ug/kg dry	470	150	1	*8270D	8/15/11 18:38	KC	P1H0287

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-1
Prism Sample ID: 1080358-02
Prism Work Order: 1080358
Time Collected: 08/13/11 12:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Aniline	BRL	ug/kg dry	470	160	1	*8270D	8/15/11 18:38	KC	P1H0287
Anthracene	BRL	ug/kg dry	470	93	1	*8270D	8/15/11 18:38	KC	P1H0287
Azobenzene	BRL	ug/kg dry	470	110	1	*8270D	8/15/11 18:38	KC	P1H0287
Benzo(a)anthracene	BRL	ug/kg dry	470	97	1	*8270D	8/15/11 18:38	KC	P1H0287
Benzo(a)pyrene	BRL	ug/kg dry	470	88	1	*8270D	8/15/11 18:38	KC	P1H0287
Benzo(b)fluoranthene	BRL	ug/kg dry	470	64	1	*8270D	8/15/11 18:38	KC	P1H0287
Benzo(g,h,i)perylene	BRL	ug/kg dry	470	150	1	*8270D	8/15/11 18:38	KC	P1H0287
Benzo(k)fluoranthene	BRL	ug/kg dry	470	140	1	*8270D	8/15/11 18:38	KC	P1H0287
Benzoic Acid	BRL	ug/kg dry	470	62	1	*8270D	8/15/11 18:38	KC	P1H0287
Benzyl alcohol	BRL	ug/kg dry	470	160	1	*8270D	8/15/11 18:38	KC	P1H0287
bis(2-Chloroethoxy)methane	BRL	ug/kg dry	470	240	1	*8270D	8/15/11 18:38	KC	P1H0287
Bis(2-Chloroethyl)ether	BRL	ug/kg dry	470	170	1	*8270D	8/15/11 18:38	KC	P1H0287
Bis(2-chloroisopropyl)ether	BRL	ug/kg dry	470	190	1	*8270D	8/15/11 18:38	KC	P1H0287
Bis(2-Ethylhexyl)phthalate	BRL	ug/kg dry	470	92	1	*8270D	8/15/11 18:38	KC	P1H0287
Butyl benzyl phthalate	BRL	ug/kg dry	470	100	1	*8270D	8/15/11 18:38	KC	P1H0287
Chrysene	BRL	ug/kg dry	470	110	1	*8270D	8/15/11 18:38	KC	P1H0287
Dibenzo(a,h)anthracene	BRL	ug/kg dry	470	150	1	*8270D	8/15/11 18:38	KC	P1H0287
Dibenzofuran	BRL	ug/kg dry	470	130	1	*8270D	8/15/11 18:38	KC	P1H0287
Diethyl phthalate	BRL	ug/kg dry	470	85	1	*8270D	8/15/11 18:38	KC	P1H0287
Dimethyl phthalate	BRL	ug/kg dry	470	88	1	*8270D	8/15/11 18:38	KC	P1H0287
Di-n-butyl phthalate	BRL	ug/kg dry	470	110	1	*8270D	8/15/11 18:38	KC	P1H0287
Di-n-octyl phthalate	BRL	ug/kg dry	470	100	1	*8270D	8/15/11 18:38	KC	P1H0287
Fluoranthene	BRL	ug/kg dry	470	99	1	*8270D	8/15/11 18:38	KC	P1H0287
Fluorene	BRL	ug/kg dry	470	110	1	*8270D	8/15/11 18:38	KC	P1H0287
Hexachlorobenzene	BRL	ug/kg dry	470	79	1	*8270D	8/15/11 18:38	KC	P1H0287
Hexachlorobutadiene	BRL	ug/kg dry	470	180	1	*8270D	8/15/11 18:38	KC	P1H0287
Hexachlorocyclopentadiene	BRL	ug/kg dry	470	140	1	*8270D	8/15/11 18:38	KC	P1H0287
Hexachloroethane	BRL	ug/kg dry	470	160	1	*8270D	8/15/11 18:38	KC	P1H0287
Indeno(1,2,3-cd)pyrene	BRL	ug/kg dry	470	130	1	*8270D	8/15/11 18:38	KC	P1H0287
Isophorone	BRL	ug/kg dry	470	180	1	*8270D	8/15/11 18:38	KC	P1H0287
Naphthalene	BRL	ug/kg dry	470	180	1	*8270D	8/15/11 18:38	KC	P1H0287
Nitrobenzene	BRL	ug/kg dry	470	160	1	*8270D	8/15/11 18:38	KC	P1H0287
N-Nitroso-di-n-propylamine	BRL	ug/kg dry	470	160	1	*8270D	8/15/11 18:38	KC	P1H0287
N-Nitrosodiphenylamine	BRL	ug/kg dry	470	95	1	*8270D	8/15/11 18:38	KC	P1H0287
Pentachlorophenol	BRL	ug/kg dry	470	39	1	*8270D	8/15/11 18:38	KC	P1H0287
Phenanthrene	BRL	ug/kg dry	470	83	1	*8270D	8/15/11 18:38	KC	P1H0287
Phenol	BRL	ug/kg dry	470	170	1	*8270D	8/15/11 18:38	KC	P1H0287
Pyrene	BRL	ug/kg dry	470	130	1	*8270D	8/15/11 18:38	KC	P1H0287

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*117 %*	*34-134*
2-Fluorobiphenyl	*94 %*	*17-122*
2-Fluorophenol	*74 %*	*13-108*
Nitrobenzene-d5	*83 %*	*11-118*

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Charlotte, NC 28203

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-1
Prism Sample ID: 1080358-02
Prism Work Order: 1080358
Time Collected: 08/13/11 12:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
			Phenol-d5				*81 %*	*23-109*	
			Terphenyl-d14				*80 %*	*41-156*	
Total Metals									
Mercury	BRL	mg/kg dry	0.028	0.0033	1	*7471B	8/15/11 15:57	LTB	P1H0295
Antimony	BRL	mg/kg dry	0.29	0.053	1	*6010C	8/16/11 10:39	LTB	P1H0286
Arsenic	**1.3**	**mg/kg dry**	**0.73**	**0.082**	**1**	***6010C**	**8/16/11 10:39**	**LTB**	**P1H0286**
Beryllium	**0.51**	**mg/kg dry**	**0.36**	**0.062**	**1**	***6010C**	**8/16/11 10:39**	**LTB**	**P1H0286**
Cadmium	BRL	mg/kg dry	0.36	0.039	1	*6010C	8/16/11 10:39	LTB	P1H0286
Chromium	**28**	**mg/kg dry**	**0.36**	**0.050**	**1**	***6010C**	**8/16/11 10:39**	**LTB**	**P1H0286**
Copper	**27**	**mg/kg dry**	**0.73**	**0.32**	**1**	***6010C**	**8/16/11 10:39**	**LTB**	**P1H0286**
Lead	**5.7**	**mg/kg dry**	**0.36**	**0.090**	**1**	***6010C**	**8/16/11 10:39**	**LTB**	**P1H0286**
Manganese	**97**	**mg/kg dry**	**0.36**	**0.035**	**1**	***6010C**	**8/16/11 10:39**	**LTB**	**P1H0286**
Nickel	**10**	**mg/kg dry**	**1.5**	**0.45**	**1**	***6010C**	**8/16/11 10:39**	**LTB**	**P1H0286**
Selenium	**1.0**	**mg/kg dry**	**0.73**	**0.15**	**1**	***6010C**	**8/16/11 10:39**	**LTB**	**P1H0286**
Silver	BRL	mg/kg dry	0.36	0.037	1	*6010C	8/16/11 10:39	LTB	P1H0286
Thallium	BRL	mg/kg dry	0.73	0.14	1	*6010C	8/16/11 10:39	LTB	P1H0286
Zinc	**51**	**mg/kg dry**	**3.6**	**0.37**	**1**	***6010C**	**8/16/11 10:39**	**LTB**	**P1H0286**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/kg dry	4.9	0.29	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,1,1-Trichloroethane	BRL	ug/kg dry	4.9	0.16	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,1,2,2-Tetrachloroethane	BRL	ug/kg dry	4.9	0.81	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,1,2-Trichloroethane	BRL	ug/kg dry	4.9	0.41	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,1-Dichloroethane	BRL	ug/kg dry	4.9	0.41	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,1-Dichloroethylene	BRL	ug/kg dry	4.9	0.30	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,1-Dichloropropylene	BRL	ug/kg dry	4.9	0.51	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,2,3-Trichlorobenzene	BRL	ug/kg dry	9.7	0.36	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,2,3-Trichloropropane	BRL	ug/kg dry	4.9	0.73	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,2,4-Trichlorobenzene	BRL	ug/kg dry	9.7	0.29	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,2,4-Trimethylbenzene	BRL	ug/kg dry	9.7	0.96	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,2-Dibromo-3-chloropropane	BRL	ug/kg dry	4.9	1.5	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,2-Dibromoethane	BRL	ug/kg dry	4.9	0.56	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,2-Dichlorobenzene	BRL	ug/kg dry	9.7	0.22	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,2-Dichloroethane	BRL	ug/kg dry	4.9	0.79	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,2-Dichloropropane	BRL	ug/kg dry	4.9	0.31	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,3,5-Trimethylbenzene	BRL	ug/kg dry	9.7	0.23	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,3-Dichlorobenzene	BRL	ug/kg dry	9.7	0.067	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,3-Dichloropropane	BRL	ug/kg dry	4.9	0.53	1	*8260B	8/15/11 15:25	VHL	P1H0294
1,4-Dichlorobenzene	BRL	ug/kg dry	9.7	0.36	1	*8260B	8/15/11 15:25	VHL	P1H0294
2,2-Dichloropropane	BRL	ug/kg dry	4.9	0.31	1	*8260B	8/15/11 15:25	VHL	P1H0294
2-Chloroethyl Vinyl Ether	BRL	ug/kg dry	9.7	2.7	1	*8260B	8/15/11 15:25	VHL	P1H0294
2-Chlorotoluene	BRL	ug/kg dry	9.7	0.30	1	*8260B	8/15/11 15:25	VHL	P1H0294
4-Chlorotoluene	BRL	ug/kg dry	9.7	0.23	1	*8260B	8/15/11 15:25	VHL	P1H0294

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Charlotte, NC 28203

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-1
Prism Sample ID: 1080358-02
Prism Work Order: 1080358
Time Collected: 08/13/11 12:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Isopropyltoluene	BRL	ug/kg dry	15	0.31	1	*8260B	8/15/11 15:25	VHL	P1H0294
Acetone	BRL	ug/kg dry	19	2.6	1	*8260B	8/15/11 15:25	VHL	P1H0294
Acrolein	BRL	ug/kg dry	97	2.9	1	*8260B	8/15/11 15:25	VHL	P1H0294
Acrylonitrile	BRL	ug/kg dry	97	2.4	1	*8260B	8/15/11 15:25	VHL	P1H0294
Benzene	BRL	ug/kg dry	2.9	0.29	1	*8260B	8/15/11 15:25	VHL	P1H0294
Bromobenzene	BRL	ug/kg dry	4.9	0.21	1	*8260B	8/15/11 15:25	VHL	P1H0294
Bromochloromethane	BRL	ug/kg dry	4.9	0.71	1	*8260B	8/15/11 15:25	VHL	P1H0294
Bromodichloromethane	BRL	ug/kg dry	4.9	0.22	1	*8260B	8/15/11 15:25	VHL	P1H0294
Bromoform	BRL	ug/kg dry	4.9	0.86	1	*8260B	8/15/11 15:25	VHL	P1H0294
Bromomethane	BRL	ug/kg dry	9.7	1.4	1	*8260B	8/15/11 15:25	VHL	P1H0294
Carbon disulfide	BRL	ug/kg dry	9.7	0.40	1	*8260B	8/15/11 15:25	VHL	P1H0294
Carbon Tetrachloride	BRL	ug/kg dry	4.9	0.27	1	*8260B	8/15/11 15:25	VHL	P1H0294
Chlorobenzene	BRL	ug/kg dry	4.9	0.23	1	*8260B	8/15/11 15:25	VHL	P1H0294
Chloroethane	BRL	ug/kg dry	9.7	3.7	1	*8260B	8/15/11 15:25	VHL	P1H0294
Chloroform	BRL	ug/kg dry	4.9	0.20	1	*8260B	8/15/11 15:25	VHL	P1H0294
Chloromethane	BRL	ug/kg dry	9.7	2.5	1	*8260B	8/15/11 15:25	VHL	P1H0294
cis-1,2-Dichloroethylene	BRL	ug/kg dry	4.9	0.39	1	*8260B	8/15/11 15:25	VHL	P1H0294
cis-1,3-Dichloropropylene	BRL	ug/kg dry	4.9	0.24	1	*8260B	8/15/11 15:25	VHL	P1H0294
Dibromochloromethane	BRL	ug/kg dry	4.9	0.33	1	*8260B	8/15/11 15:25	VHL	P1H0294
Dibromomethane	BRL	ug/kg dry	4.9	0.33	1	*8260B	8/15/11 15:25	VHL	P1H0294
Dichlorodifluoromethane	BRL	ug/kg dry	9.7	0.52	1	*8260B	8/15/11 15:25	VHL	P1H0294
Ethylbenzene	BRL	ug/kg dry	4.9	0.31	1	*8260B	8/15/11 15:25	VHL	P1H0294
Hexachlorobutadiene	BRL	ug/kg dry	15	0.63	1	*8260B	8/15/11 15:25	VHL	P1H0294
Isopropyl Ether	BRL	ug/kg dry	4.9	0.21	1	*8260B	8/15/11 15:25	VHL	P1H0294
Isopropylbenzene (Cumene)	BRL	ug/kg dry	9.7	0.24	1	*8260B	8/15/11 15:25	VHL	P1H0294
m,p-Xylenes	BRL	ug/kg dry	9.7	0.63	1	*8260B	8/15/11 15:25	VHL	P1H0294
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/kg dry	49	1.0	1	*8260B	8/15/11 15:25	VHL	P1H0294
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/kg dry	19	1.7	1	*8260B	8/15/11 15:25	VHL	P1H0294
Methyl Isobutyl Ketone	BRL	ug/kg dry	9.7	1.3	1	*8260B	8/15/11 15:25	VHL	P1H0294
Methylene Chloride	BRL	ug/kg dry	9.7	0.35	1	*8260B	8/15/11 15:25	VHL	P1H0294
Methyl-tert-Butyl Ether	BRL	ug/kg dry	4.9	0.37	1	*8260B	8/15/11 15:25	VHL	P1H0294
Naphthalene	BRL	ug/kg dry	4.9	0.36	1	*8260B	8/15/11 15:25	VHL	P1H0294
n-Butylbenzene	BRL	ug/kg dry	15	0.22	1	*8260B	8/15/11 15:25	VHL	P1H0294
n-Propylbenzene	BRL	ug/kg dry	9.7	0.28	1	*8260B	8/15/11 15:25	VHL	P1H0294
o-Xylene	BRL	ug/kg dry	4.9	0.31	1	*8260B	8/15/11 15:25	VHL	P1H0294
sec-Butylbenzene	BRL	ug/kg dry	15	0.20	1	*8260B	8/15/11 15:25	VHL	P1H0294
Styrene	BRL	ug/kg dry	4.9	0.21	1	*8260B	8/15/11 15:25	VHL	P1H0294
tert-Butylbenzene	BRL	ug/kg dry	19	0.25	1	*8260B	8/15/11 15:25	VHL	P1H0294
Tetrachloroethylene	BRL	ug/kg dry	9.7	0.34	1	*8260B	8/15/11 15:25	VHL	P1H0294
Toluene	BRL	ug/kg dry	4.9	0.29	1	*8260B	8/15/11 15:25	VHL	P1H0294
trans-1,2-Dichloroethylene	BRL	ug/kg dry	4.9	0.56	1	*8260B	8/15/11 15:25	VHL	P1H0294
trans-1,3-Dichloropropylene	BRL	ug/kg dry	4.9	0.23	1	*8260B	8/15/11 15:25	VHL	P1H0294
Trichloroethylene	BRL	ug/kg dry	4.9	0.45	1	*8260B	8/15/11 15:25	VHL	P1H0294
Trichlorofluoromethane	BRL	ug/kg dry	4.9	0.40	1	*8260B	8/15/11 15:25	VHL	P1H0294

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Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-1
Prism Sample ID: 1080358-02
Prism Work Order: 1080358
Time Collected: 08/13/11 12:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Vinyl acetate	BRL	ug/kg dry	9.7	1.4	1	*8260B	8/15/11 15:25	VHL	P1H0294
Vinyl chloride	BRL	ug/kg dry	9.7	0.63	1	*8260B	8/15/11 15:25	VHL	P1H0294

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*112 %*	*70-130*
Dibromofluoromethane	*109 %*	*84-123*
Toluene-d8	*96 %*	*76-129*

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Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-2
Prism Sample ID: 1080358-03
Prism Work Order: 1080358
Time Collected: 08/13/11 13:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	8.8	2.6	1	*8015C	8/15/11 20:09	JMV	P1H0283
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			*106 %*		*49-124*	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	5.3	0.68	50	*8015C	8/15/11 11:57	CBL	P1H0269
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			*81 %*		*55-129*	
General Chemistry Parameters									
% Solids	**79.5**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**8/15/11 15:45**	**JAB**	**P1H0306**
Oil & Grease (SGT-HEM)	BRL	mg/kg dry	50	15	1	*9071B	8/15/11 11:00	CKD	P1H0333
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/kg dry	410	150	1	*8270D	8/15/11 18:01	KC	P1H0287
1,2-Dichlorobenzene	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
1,3-Dichlorobenzene	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
1,4-Dichlorobenzene	BRL	ug/kg dry	410	130	1	*8270D	8/15/11 18:01	KC	P1H0287
2,4,5-Trichlorophenol	BRL	ug/kg dry	410	110	1	*8270D	8/15/11 18:01	KC	P1H0287
2,4,6-Trichlorophenol	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
2,4-Dichlorophenol	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
2,4-Dimethylphenol	BRL	ug/kg dry	410	170	1	*8270D	8/15/11 18:01	KC	P1H0287
2,4-Dinitrophenol	BRL	ug/kg dry	410	64	1	*8270D	8/15/11 18:01	KC	P1H0287
2,4-Dinitrotoluene	BRL	ug/kg dry	410	70	1	*8270D	8/15/11 18:01	KC	P1H0287
2,6-Dinitrotoluene	BRL	ug/kg dry	410	62	1	*8270D	8/15/11 18:01	KC	P1H0287
2-Chloronaphthalene	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
2-Chlorophenol	BRL	ug/kg dry	410	150	1	*8270D	8/15/11 18:01	KC	P1H0287
2-Methylnaphthalene	BRL	ug/kg dry	410	150	1	*8270D	8/15/11 18:01	KC	P1H0287
2-Methylphenol	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
2-Nitroaniline	BRL	ug/kg dry	410	72	1	*8270D	8/15/11 18:01	KC	P1H0287
2-Nitrophenol	BRL	ug/kg dry	410	150	1	*8270D	8/15/11 18:01	KC	P1H0287
3,3'-Dichlorobenzidine	BRL	ug/kg dry	410	68	1	*8270D	8/15/11 18:01	KC	P1H0287
3/4-Methylphenol	BRL	ug/kg dry	410	110	1	*8270D	8/15/11 18:01	KC	P1H0287
3-Nitroaniline	BRL	ug/kg dry	410	120	1	*8270D	8/15/11 18:01	KC	P1H0287
4,6-Dinitro-2-methylphenol	BRL	ug/kg dry	410	44	1	*8270D	8/15/11 18:01	KC	P1H0287
4-Bromophenyl phenyl ether	BRL	ug/kg dry	410	91	1	*8270D	8/15/11 18:01	KC	P1H0287
4-Chloro-3-methylphenol	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
4-Chloroaniline	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
4-Chlorophenyl phenyl ether	BRL	ug/kg dry	410	120	1	*8270D	8/15/11 18:01	KC	P1H0287
4-Nitroaniline	BRL	ug/kg dry	410	100	1	*8270D	8/15/11 18:01	KC	P1H0287
4-Nitrophenol	BRL	ug/kg dry	410	51	1	*8270D	8/15/11 18:01	KC	P1H0287
Acenaphthene	BRL	ug/kg dry	410	130	1	*8270D	8/15/11 18:01	KC	P1H0287
Acenaphthylene	BRL	ug/kg dry	410	130	1	*8270D	8/15/11 18:01	KC	P1H0287

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-2
Prism Sample ID: 1080358-03
Prism Work Order: 1080358
Time Collected: 08/13/11 13:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Aniline	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
Anthracene	BRL	ug/kg dry	410	81	1	*8270D	8/15/11 18:01	KC	P1H0287
Azobenzene	BRL	ug/kg dry	410	95	1	*8270D	8/15/11 18:01	KC	P1H0287
Benzo(a)anthracene	BRL	ug/kg dry	410	84	1	*8270D	8/15/11 18:01	KC	P1H0287
Benzo(a)pyrene	BRL	ug/kg dry	410	76	1	*8270D	8/15/11 18:01	KC	P1H0287
Benzo(b)fluoranthene	BRL	ug/kg dry	410	56	1	*8270D	8/15/11 18:01	KC	P1H0287
Benzo(g,h,i)perylene	BRL	ug/kg dry	410	130	1	*8270D	8/15/11 18:01	KC	P1H0287
Benzo(k)fluoranthene	BRL	ug/kg dry	410	120	1	*8270D	8/15/11 18:01	KC	P1H0287
Benzoic Acid	BRL	ug/kg dry	410	54	1	*8270D	8/15/11 18:01	KC	P1H0287
Benzyl alcohol	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
bis(2-Chloroethoxy)methane	BRL	ug/kg dry	410	210	1	*8270D	8/15/11 18:01	KC	P1H0287
Bis(2-Chloroethyl)ether	BRL	ug/kg dry	410	150	1	*8270D	8/15/11 18:01	KC	P1H0287
Bis(2-chloroisopropyl)ether	BRL	ug/kg dry	410	160	1	*8270D	8/15/11 18:01	KC	P1H0287
Bis(2-Ethylhexyl)phthalate	BRL	ug/kg dry	410	79	1	*8270D	8/15/11 18:01	KC	P1H0287
Butyl benzyl phthalate	BRL	ug/kg dry	410	91	1	*8270D	8/15/11 18:01	KC	P1H0287
Chrysene	BRL	ug/kg dry	410	91	1	*8270D	8/15/11 18:01	KC	P1H0287
Dibenzo(a,h)anthracene	BRL	ug/kg dry	410	130	1	*8270D	8/15/11 18:01	KC	P1H0287
Dibenzofuran	BRL	ug/kg dry	410	120	1	*8270D	8/15/11 18:01	KC	P1H0287
Diethyl phthalate	BRL	ug/kg dry	410	74	1	*8270D	8/15/11 18:01	KC	P1H0287
Dimethyl phthalate	BRL	ug/kg dry	410	76	1	*8270D	8/15/11 18:01	KC	P1H0287
Di-n-butyl phthalate	BRL	ug/kg dry	410	97	1	*8270D	8/15/11 18:01	KC	P1H0287
Di-n-octyl phthalate	BRL	ug/kg dry	410	90	1	*8270D	8/15/11 18:01	KC	P1H0287
Fluoranthene	BRL	ug/kg dry	410	86	1	*8270D	8/15/11 18:01	KC	P1H0287
Fluorene	BRL	ug/kg dry	410	95	1	*8270D	8/15/11 18:01	KC	P1H0287
Hexachlorobenzene	BRL	ug/kg dry	410	68	1	*8270D	8/15/11 18:01	KC	P1H0287
Hexachlorobutadiene	BRL	ug/kg dry	410	150	1	*8270D	8/15/11 18:01	KC	P1H0287
Hexachlorocyclopentadiene	BRL	ug/kg dry	410	120	1	*8270D	8/15/11 18:01	KC	P1H0287
Hexachloroethane	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
Indeno(1,2,3-cd)pyrene	BRL	ug/kg dry	410	110	1	*8270D	8/15/11 18:01	KC	P1H0287
Isophorone	BRL	ug/kg dry	410	150	1	*8270D	8/15/11 18:01	KC	P1H0287
Naphthalene	BRL	ug/kg dry	410	160	1	*8270D	8/15/11 18:01	KC	P1H0287
Nitrobenzene	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
N-Nitroso-di-n-propylamine	BRL	ug/kg dry	410	140	1	*8270D	8/15/11 18:01	KC	P1H0287
N-Nitrosodiphenylamine	BRL	ug/kg dry	410	82	1	*8270D	8/15/11 18:01	KC	P1H0287
Pentachlorophenol	BRL	ug/kg dry	410	34	1	*8270D	8/15/11 18:01	KC	P1H0287
Phenanthrene	BRL	ug/kg dry	410	72	1	*8270D	8/15/11 18:01	KC	P1H0287
Phenol	BRL	ug/kg dry	410	150	1	*8270D	8/15/11 18:01	KC	P1H0287
Pyrene	BRL	ug/kg dry	410	110	1	*8270D	8/15/11 18:01	KC	P1H0287

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*111 %*	*34-134*
2-Fluorobiphenyl	*88 %*	*17-122*
2-Fluorophenol	*71 %*	*13-108*
Nitrobenzene-d5	*77 %*	*11-118*

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-2
Prism Sample ID: 1080358-03
Prism Work Order: 1080358
Time Collected: 08/13/11 13:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
			Phenol-d5				*71 %*	*23-109*	
			Terphenyl-d14				*93 %*	*41-156*	
Total Metals									
Mercury	BRL	mg/kg dry	0.024	0.0029	1	*7471B	8/15/11 15:25	LTB	P1H0295
Antimony	BRL	mg/kg dry	0.25	0.045	1	*6010C	8/16/11 11:23	LTB	P1H0286
Arsenic	**1.7**	**mg/kg dry**	**0.62**	**0.070**	**1**	***6010C**	**8/16/11 11:23**	**LTB**	**P1H0286**
Beryllium	**0.84**	**mg/kg dry**	**0.31**	**0.053**	**1**	***6010C**	**8/16/11 11:23**	**LTB**	**P1H0286**
Cadmium	BRL	mg/kg dry	0.31	0.033	1	*6010C	8/16/11 11:23	LTB	P1H0286
Chromium	**36**	**mg/kg dry**	**0.31**	**0.043**	**1**	***6010C**	**8/16/11 11:23**	**LTB**	**P1H0286**
Copper	**21**	**mg/kg dry**	**0.62**	**0.27**	**1**	***6010C**	**8/16/11 11:23**	**LTB**	**P1H0286**
Lead	**6.6**	**mg/kg dry**	**0.31**	**0.077**	**1**	***6010C**	**8/16/11 11:23**	**LTB**	**P1H0286**
Manganese	**220**	**mg/kg dry**	**1.6**	**0.15**	**5**	***6010C**	**8/16/11 11:15**	**LTB**	**P1H0286**
Nickel	**11**	**mg/kg dry**	**1.2**	**0.38**	**1**	***6010C**	**8/16/11 11:23**	**LTB**	**P1H0286**
Selenium	**1.9**	**mg/kg dry**	**0.62**	**0.13**	**1**	***6010C**	**8/16/11 11:23**	**LTB**	**P1H0286**
Silver	BRL	mg/kg dry	0.31	0.032	1	*6010C	8/16/11 11:23	LTB	P1H0286
Thallium	BRL	mg/kg dry	0.62	0.12	1	*6010C	8/16/11 11:23	LTB	P1H0286
Zinc	**110**	**mg/kg dry**	**3.1**	**0.32**	**1**	***6010C**	**8/16/11 11:23**	**LTB**	**P1H0286**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/kg dry	5.5	0.33	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,1,1-Trichloroethane	BRL	ug/kg dry	5.5	0.18	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,1,2,2-Tetrachloroethane	BRL	ug/kg dry	5.5	0.90	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,1,2-Trichloroethane	BRL	ug/kg dry	5.5	0.46	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,1-Dichloroethane	BRL	ug/kg dry	5.5	0.46	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,1-Dichloroethylene	BRL	ug/kg dry	5.5	0.33	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,1-Dichloropropylene	BRL	ug/kg dry	5.5	0.58	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,2,3-Trichlorobenzene	BRL	ug/kg dry	11	0.40	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,2,3-Trichloropropane	BRL	ug/kg dry	5.5	0.83	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,2,4-Trichlorobenzene	BRL	ug/kg dry	11	0.32	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,2,4-Trimethylbenzene	BRL	ug/kg dry	11	1.1	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,2-Dibromo-3-chloropropane	BRL	ug/kg dry	5.5	1.7	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,2-Dibromoethane	BRL	ug/kg dry	5.5	0.63	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,2-Dichlorobenzene	BRL	ug/kg dry	11	0.25	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,2-Dichloroethane	BRL	ug/kg dry	5.5	0.88	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,2-Dichloropropane	BRL	ug/kg dry	5.5	0.35	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,3,5-Trimethylbenzene	BRL	ug/kg dry	11	0.26	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,3-Dichlorobenzene	BRL	ug/kg dry	11	0.075	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,3-Dichloropropane	BRL	ug/kg dry	5.5	0.59	1	*8260B	8/15/11 15:58	VHL	P1H0294
1,4-Dichlorobenzene	BRL	ug/kg dry	11	0.40	1	*8260B	8/15/11 15:58	VHL	P1H0294
2,2-Dichloropropane	BRL	ug/kg dry	5.5	0.35	1	*8260B	8/15/11 15:58	VHL	P1H0294
2-Chloroethyl Vinyl Ether	BRL	ug/kg dry	11	3.1	1	*8260B	8/15/11 15:58	VHL	P1H0294
2-Chlorotoluene	BRL	ug/kg dry	11	0.33	1	*8260B	8/15/11 15:58	VHL	P1H0294
4-Chlorotoluene	BRL	ug/kg dry	11	0.26	1	*8260B	8/15/11 15:58	VHL	P1H0294

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-2
Prism Sample ID: 1080358-03
Prism Work Order: 1080358
Time Collected: 08/13/11 13:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Isopropyltoluene	BRL	ug/kg dry	16	0.35	1	*8260B	8/15/11 15:58	VHL	P1H0294
Acetone	BRL	ug/kg dry	22	2.9	1	*8260B	8/15/11 15:58	VHL	P1H0294
Acrolein	BRL	ug/kg dry	110	3.3	1	*8260B	8/15/11 15:58	VHL	P1H0294
Acrylonitrile	BRL	ug/kg dry	110	2.7	1	*8260B	8/15/11 15:58	VHL	P1H0294
Benzene	BRL	ug/kg dry	3.3	0.33	1	*8260B	8/15/11 15:58	VHL	P1H0294
Bromobenzene	BRL	ug/kg dry	5.5	0.23	1	*8260B	8/15/11 15:58	VHL	P1H0294
Bromochloromethane	BRL	ug/kg dry	5.5	0.80	1	*8260B	8/15/11 15:58	VHL	P1H0294
Bromodichloromethane	BRL	ug/kg dry	5.5	0.25	1	*8260B	8/15/11 15:58	VHL	P1H0294
Bromoform	BRL	ug/kg dry	5.5	0.97	1	*8260B	8/15/11 15:58	VHL	P1H0294
Bromomethane	BRL	ug/kg dry	11	1.5	1	*8260B	8/15/11 15:58	VHL	P1H0294
Carbon disulfide	BRL	ug/kg dry	11	0.46	1	*8260B	8/15/11 15:58	VHL	P1H0294
Carbon Tetrachloride	BRL	ug/kg dry	5.5	0.30	1	*8260B	8/15/11 15:58	VHL	P1H0294
Chlorobenzene	BRL	ug/kg dry	5.5	0.25	1	*8260B	8/15/11 15:58	VHL	P1H0294
Chloroethane	BRL	ug/kg dry	11	4.2	1	*8260B	8/15/11 15:58	VHL	P1H0294
Chloroform	BRL	ug/kg dry	5.5	0.23	1	*8260B	8/15/11 15:58	VHL	P1H0294
Chloromethane	BRL	ug/kg dry	11	2.8	1	*8260B	8/15/11 15:58	VHL	P1H0294
cis-1,2-Dichloroethylene	BRL	ug/kg dry	5.5	0.44	1	*8260B	8/15/11 15:58	VHL	P1H0294
cis-1,3-Dichloropropylene	BRL	ug/kg dry	5.5	0.27	1	*8260B	8/15/11 15:58	VHL	P1H0294
Dibromochloromethane	BRL	ug/kg dry	5.5	0.37	1	*8260B	8/15/11 15:58	VHL	P1H0294
Dibromomethane	BRL	ug/kg dry	5.5	0.37	1	*8260B	8/15/11 15:58	VHL	P1H0294
Dichlorodifluoromethane	BRL	ug/kg dry	11	0.59	1	*8260B	8/15/11 15:58	VHL	P1H0294
Ethylbenzene	BRL	ug/kg dry	5.5	0.35	1	*8260B	8/15/11 15:58	VHL	P1H0294
Hexachlorobutadiene	BRL	ug/kg dry	16	0.70	1	*8260B	8/15/11 15:58	VHL	P1H0294
Isopropyl Ether	BRL	ug/kg dry	5.5	0.23	1	*8260B	8/15/11 15:58	VHL	P1H0294
Isopropylbenzene (Cumene)	BRL	ug/kg dry	11	0.27	1	*8260B	8/15/11 15:58	VHL	P1H0294
m,p-Xylenes	BRL	ug/kg dry	11	0.70	1	*8260B	8/15/11 15:58	VHL	P1H0294
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/kg dry	55	1.1	1	*8260B	8/15/11 15:58	VHL	P1H0294
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/kg dry	22	1.9	1	*8260B	8/15/11 15:58	VHL	P1H0294
Methyl Isobutyl Ketone	BRL	ug/kg dry	11	1.4	1	*8260B	8/15/11 15:58	VHL	P1H0294
Methylene Chloride	BRL	ug/kg dry	11	0.40	1	*8260B	8/15/11 15:58	VHL	P1H0294
Methyl-tert-Butyl Ether	BRL	ug/kg dry	5.5	0.42	1	*8260B	8/15/11 15:58	VHL	P1H0294
Naphthalene	BRL	ug/kg dry	5.5	0.40	1	*8260B	8/15/11 15:58	VHL	P1H0294
n-Butylbenzene	BRL	ug/kg dry	16	0.24	1	*8260B	8/15/11 15:58	VHL	P1H0294
n-Propylbenzene	BRL	ug/kg dry	11	0.31	1	*8260B	8/15/11 15:58	VHL	P1H0294
o-Xylene	BRL	ug/kg dry	5.5	0.35	1	*8260B	8/15/11 15:58	VHL	P1H0294
sec-Butylbenzene	BRL	ug/kg dry	16	0.22	1	*8260B	8/15/11 15:58	VHL	P1H0294
Styrene	BRL	ug/kg dry	5.5	0.24	1	*8260B	8/15/11 15:58	VHL	P1H0294
tert-Butylbenzene	BRL	ug/kg dry	22	0.28	1	*8260B	8/15/11 15:58	VHL	P1H0294
Tetrachloroethylene	BRL	ug/kg dry	11	0.38	1	*8260B	8/15/11 15:58	VHL	P1H0294
Toluene	BRL	ug/kg dry	5.5	0.32	1	*8260B	8/15/11 15:58	VHL	P1H0294
trans-1,2-Dichloroethylene	BRL	ug/kg dry	5.5	0.63	1	*8260B	8/15/11 15:58	VHL	P1H0294
trans-1,3-Dichloropropylene	BRL	ug/kg dry	5.5	0.26	1	*8260B	8/15/11 15:58	VHL	P1H0294
Trichloroethylene	BRL	ug/kg dry	5.5	0.51	1	*8260B	8/15/11 15:58	VHL	P1H0294
Trichlorofluoromethane	BRL	ug/kg dry	5.5	0.44	1	*8260B	8/15/11 15:58	VHL	P1H0294

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Hart & Hickman (Charlotte)
Attn: Kurtis Beshiers
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Charlotte, NC 28203

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-2
Prism Sample ID: 1080358-03
Prism Work Order: 1080358
Time Collected: 08/13/11 13:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Vinyl acetate	BRL	ug/kg dry	11	1.6	1	*8260B	8/15/11 15:58	VHL	P1H0294
Vinyl chloride	BRL	ug/kg dry	11	0.71	1	*8260B	8/15/11 15:58	VHL	P1H0294

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*98 %*	*70-130*
Dibromofluoromethane	*111 %*	*84-123*
Toluene-d8	*95 %*	*76-129*

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Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-3
Prism Sample ID: 1080358-04
Prism Work Order: 1080358
Time Collected: 08/13/11 14:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	9.4	2.8	1	*8015C	8/15/11 20:44	JMV	P1H0283
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			*101 %*		*49-124*	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	5.9	0.77	50	*8015C	8/15/11 12:28	CBL	P1H0269
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			*84 %*		*55-129*	
General Chemistry Parameters									
% Solids	**74.2**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**8/15/11 15:45**	**JAB**	**P1H0306**
Oil & Grease (SGT-HEM)	BRL	mg/kg dry	54	16	1	*9071B	8/15/11 11:00	CKD	P1H0333
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/kg dry	440	160	1	*8270D	8/15/11 16:08	KC	P1H0287
1,2-Dichlorobenzene	BRL	ug/kg dry	440	140	1	*8270D	8/15/11 16:08	KC	P1H0287
1,3-Dichlorobenzene	BRL	ug/kg dry	440	150	1	*8270D	8/15/11 16:08	KC	P1H0287
1,4-Dichlorobenzene	BRL	ug/kg dry	440	140	1	*8270D	8/15/11 16:08	KC	P1H0287
2,4,5-Trichlorophenol	BRL	ug/kg dry	440	120	1	*8270D	8/15/11 16:08	KC	P1H0287
2,4,6-Trichlorophenol	BRL	ug/kg dry	440	150	1	*8270D	8/15/11 16:08	KC	P1H0287
2,4-Dichlorophenol	BRL	ug/kg dry	440	160	1	*8270D	8/15/11 16:08	KC	P1H0287
2,4-Dimethylphenol	BRL	ug/kg dry	440	180	1	*8270D	8/15/11 16:08	KC	P1H0287
2,4-Dinitrophenol	BRL	ug/kg dry	440	69	1	*8270D	8/15/11 16:08	KC	P1H0287
2,4-Dinitrotoluene	BRL	ug/kg dry	440	75	1	*8270D	8/15/11 16:08	KC	P1H0287
2,6-Dinitrotoluene	BRL	ug/kg dry	440	66	1	*8270D	8/15/11 16:08	KC	P1H0287
2-Chloronaphthalene	BRL	ug/kg dry	440	150	1	*8270D	8/15/11 16:08	KC	P1H0287
2-Chlorophenol	BRL	ug/kg dry	440	160	1	*8270D	8/15/11 16:08	KC	P1H0287
2-Methylnaphthalene	BRL	ug/kg dry	440	160	1	*8270D	8/15/11 16:08	KC	P1H0287
2-Methylphenol	BRL	ug/kg dry	440	150	1	*8270D	8/15/11 16:08	KC	P1H0287
2-Nitroaniline	BRL	ug/kg dry	440	77	1	*8270D	8/15/11 16:08	KC	P1H0287
2-Nitrophenol	BRL	ug/kg dry	440	160	1	*8270D	8/15/11 16:08	KC	P1H0287
3,3'-Dichlorobenzidine	BRL	ug/kg dry	440	73	1	*8270D	8/15/11 16:08	KC	P1H0287
3/4-Methylphenol	BRL	ug/kg dry	440	120	1	*8270D	8/15/11 16:08	KC	P1H0287
3-Nitroaniline	BRL	ug/kg dry	440	130	1	*8270D	8/15/11 16:08	KC	P1H0287
4,6-Dinitro-2-methylphenol	BRL	ug/kg dry	440	47	1	*8270D	8/15/11 16:08	KC	P1H0287
4-Bromophenyl phenyl ether	BRL	ug/kg dry	440	98	1	*8270D	8/15/11 16:08	KC	P1H0287
4-Chloro-3-methylphenol	BRL	ug/kg dry	440	160	1	*8270D	8/15/11 16:08	KC	P1H0287
4-Chloroaniline	BRL	ug/kg dry	440	150	1	*8270D	8/15/11 16:08	KC	P1H0287
4-Chlorophenyl phenyl ether	BRL	ug/kg dry	440	130	1	*8270D	8/15/11 16:08	KC	P1H0287
4-Nitroaniline	BRL	ug/kg dry	440	110	1	*8270D	8/15/11 16:08	KC	P1H0287
4-Nitrophenol	BRL	ug/kg dry	440	54	1	*8270D	8/15/11 16:08	KC	P1H0287
Acenaphthene	BRL	ug/kg dry	440	140	1	*8270D	8/15/11 16:08	KC	P1H0287
Acenaphthylene	BRL	ug/kg dry	440	140	1	*8270D	8/15/11 16:08	KC	P1H0287

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-3
Prism Sample ID: 1080358-04
Prism Work Order: 1080358
Time Collected: 08/13/11 14:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Aniline	BRL	ug/kg dry	440	150	1	*8270D	8/15/11 16:08	KC	P1H0287
Anthracene	BRL	ug/kg dry	440	86	1	*8270D	8/15/11 16:08	KC	P1H0287
Azobenzene	BRL	ug/kg dry	440	100	1	*8270D	8/15/11 16:08	KC	P1H0287
Benzo(a)anthracene	BRL	ug/kg dry	440	90	1	*8270D	8/15/11 16:08	KC	P1H0287
Benzo(a)pyrene	BRL	ug/kg dry	440	82	1	*8270D	8/15/11 16:08	KC	P1H0287
Benzo(b)fluoranthene	BRL	ug/kg dry	440	60	1	*8270D	8/15/11 16:08	KC	P1H0287
Benzo(g,h,i)perylene	BRL	ug/kg dry	440	140	1	*8270D	8/15/11 16:08	KC	P1H0287
Benzo(k)fluoranthene	BRL	ug/kg dry	440	130	1	*8270D	8/15/11 16:08	KC	P1H0287
Benzoic Acid	BRL	ug/kg dry	440	58	1	*8270D	8/15/11 16:08	KC	P1H0287
Benzyl alcohol	BRL	ug/kg dry	440	150	1	*8270D	8/15/11 16:08	KC	P1H0287
bis(2-Chloroethoxy)methane	BRL	ug/kg dry	440	220	1	*8270D	8/15/11 16:08	KC	P1H0287
Bis(2-Chloroethyl)ether	BRL	ug/kg dry	440	160	1	*8270D	8/15/11 16:08	KC	P1H0287
Bis(2-chloroisopropyl)ether	BRL	ug/kg dry	440	170	1	*8270D	8/15/11 16:08	KC	P1H0287
Bis(2-Ethylhexyl)phthalate	BRL	ug/kg dry	440	85	1	*8270D	8/15/11 16:08	KC	P1H0287
Butyl benzyl phthalate	BRL	ug/kg dry	440	97	1	*8270D	8/15/11 16:08	KC	P1H0287
Chrysene	BRL	ug/kg dry	440	98	1	*8270D	8/15/11 16:08	KC	P1H0287
Dibenzo(a,h)anthracene	BRL	ug/kg dry	440	140	1	*8270D	8/15/11 16:08	KC	P1H0287
Dibenzofuran	BRL	ug/kg dry	440	120	1	*8270D	8/15/11 16:08	KC	P1H0287
Diethyl phthalate	BRL	ug/kg dry	440	79	1	*8270D	8/15/11 16:08	KC	P1H0287
Dimethyl phthalate	BRL	ug/kg dry	440	82	1	*8270D	8/15/11 16:08	KC	P1H0287
Di-n-butyl phthalate	BRL	ug/kg dry	440	100	1	*8270D	8/15/11 16:08	KC	P1H0287
Di-n-octyl phthalate	BRL	ug/kg dry	440	97	1	*8270D	8/15/11 16:08	KC	P1H0287
Fluoranthene	BRL	ug/kg dry	440	92	1	*8270D	8/15/11 16:08	KC	P1H0287
Fluorene	BRL	ug/kg dry	440	100	1	*8270D	8/15/11 16:08	KC	P1H0287
Hexachlorobenzene	BRL	ug/kg dry	440	73	1	*8270D	8/15/11 16:08	KC	P1H0287
Hexachlorobutadiene	BRL	ug/kg dry	440	170	1	*8270D	8/15/11 16:08	KC	P1H0287
Hexachlorocyclopentadiene	BRL	ug/kg dry	440	130	1	*8270D	8/15/11 16:08	KC	P1H0287
Hexachloroethane	BRL	ug/kg dry	440	150	1	*8270D	8/15/11 16:08	KC	P1H0287
Indeno(1,2,3-cd)pyrene	BRL	ug/kg dry	440	120	1	*8270D	8/15/11 16:08	KC	P1H0287
Isophorone	BRL	ug/kg dry	440	160	1	*8270D	8/15/11 16:08	KC	P1H0287
Naphthalene	BRL	ug/kg dry	440	170	1	*8270D	8/15/11 16:08	KC	P1H0287
Nitrobenzene	BRL	ug/kg dry	440	150	1	*8270D	8/15/11 16:08	KC	P1H0287
N-Nitroso-di-n-propylamine	BRL	ug/kg dry	440	150	1	*8270D	8/15/11 16:08	KC	P1H0287
N-Nitrosodiphenylamine	BRL	ug/kg dry	440	88	1	*8270D	8/15/11 16:08	KC	P1H0287
Pentachlorophenol	BRL	ug/kg dry	440	36	1	*8270D	8/15/11 16:08	KC	P1H0287
Phenanthrene	BRL	ug/kg dry	440	77	1	*8270D	8/15/11 16:08	KC	P1H0287
Phenol	BRL	ug/kg dry	440	160	1	*8270D	8/15/11 16:08	KC	P1H0287
Pyrene	BRL	ug/kg dry	440	120	1	*8270D	8/15/11 16:08	KC	P1H0287

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*105 %*	*34-134*
2-Fluorobiphenyl	*99 %*	*17-122*
2-Fluorophenol	*86 %*	*13-108*
Nitrobenzene-d5	*94 %*	*11-118*

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-3
Prism Sample ID: 1080358-04
Prism Work Order: 1080358
Time Collected: 08/13/11 14:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
			Phenol-d5				*86 %*	*23-109*	
			Terphenyl-d14				*78 %*	*41-156*	
Total Metals									
Mercury	BRL	mg/kg dry	0.029	0.0035	1	*7471B	8/15/11 16:01	LTB	P1H0295
Antimony	BRL	mg/kg dry	0.27	0.049	1	*6010C	8/16/11 11:32	LTB	P1H0286
Arsenic	**2.4**	**mg/kg dry**	**0.67**	**0.076**	**1**	***6010C**	**8/16/11 11:32**	**LTB**	**P1H0286**
Beryllium	**0.67**	**mg/kg dry**	**0.34**	**0.057**	**1**	***6010C**	**8/16/11 11:32**	**LTB**	**P1H0286**
Cadmium	BRL	mg/kg dry	0.34	0.036	1	*6010C	8/16/11 11:32	LTB	P1H0286
Chromium	**32**	**mg/kg dry**	**0.34**	**0.046**	**1**	***6010C**	**8/16/11 11:32**	**LTB**	**P1H0286**
Copper	**18**	**mg/kg dry**	**0.67**	**0.29**	**1**	***6010C**	**8/16/11 11:32**	**LTB**	**P1H0286**
Lead	**11**	**mg/kg dry**	**0.34**	**0.083**	**1**	***6010C**	**8/16/11 11:32**	**LTB**	**P1H0286**
Manganese	**64**	**mg/kg dry**	**0.34**	**0.032**	**1**	***6010C**	**8/16/11 11:32**	**LTB**	**P1H0286**
Nickel	**7.4**	**mg/kg dry**	**1.3**	**0.41**	**1**	***6010C**	**8/16/11 11:32**	**LTB**	**P1H0286**
Selenium	**1.9**	**mg/kg dry**	**0.67**	**0.14**	**1**	***6010C**	**8/16/11 11:32**	**LTB**	**P1H0286**
Silver	BRL	mg/kg dry	0.34	0.034	1	*6010C	8/16/11 11:32	LTB	P1H0286
Thallium	BRL	mg/kg dry	0.67	0.13	1	*6010C	8/16/11 11:32	LTB	P1H0286
Zinc	**150**	**mg/kg dry**	**3.4**	**0.34**	**1**	***6010C**	**8/16/11 11:32**	**LTB**	**P1H0286**
Volatile Organic Compounds by GC/MS									A
1,1,1,2-Tetrachloroethane	BRL	ug/kg dry	5.3	0.32	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,1,1-Trichloroethane	BRL	ug/kg dry	5.3	0.17	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,1,2,2-Tetrachloroethane	BRL	ug/kg dry	5.3	0.87	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,1,2-Trichloroethane	BRL	ug/kg dry	5.3	0.44	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,1-Dichloroethane	BRL	ug/kg dry	5.3	0.44	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,1-Dichloroethylene	BRL	ug/kg dry	5.3	0.32	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,1-Dichloropropylene	BRL	ug/kg dry	5.3	0.55	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,2,3-Trichlorobenzene	BRL	ug/kg dry	11	0.39	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,2,3-Trichloropropane	BRL	ug/kg dry	5.3	0.79	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,2,4-Trichlorobenzene	BRL	ug/kg dry	11	0.31	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,2,4-Trimethylbenzene	BRL	ug/kg dry	11	1.0	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,2-Dibromo-3-chloropropane	BRL	ug/kg dry	5.3	1.6	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,2-Dibromoethane	BRL	ug/kg dry	5.3	0.61	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,2-Dichlorobenzene	BRL	ug/kg dry	11	0.24	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,2-Dichloroethane	BRL	ug/kg dry	5.3	0.85	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,2-Dichloropropane	BRL	ug/kg dry	5.3	0.33	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,3,5-Trimethylbenzene	BRL	ug/kg dry	11	0.25	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,3-Dichlorobenzene	BRL	ug/kg dry	11	0.073	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,3-Dichloropropane	BRL	ug/kg dry	5.3	0.57	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
1,4-Dichlorobenzene	BRL	ug/kg dry	11	0.39	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
2,2-Dichloropropane	BRL	ug/kg dry	5.3	0.33	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
2-Chloroethyl Vinyl Ether	BRL	ug/kg dry	11	2.9	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
2-Chlorotoluene	BRL	ug/kg dry	11	0.32	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
4-Chlorotoluene	BRL	ug/kg dry	11	0.25	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-3
Prism Sample ID: 1080358-04
Prism Work Order: 1080358
Time Collected: 08/13/11 14:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Isopropyltoluene	BRL	ug/kg dry	16	0.33	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Acetone	**28**	**ug/kg dry**	**21**	**2.8**	**1**	***8260B/5030B**	**8/15/11 17:37**	**VHL**	**P1H0320**
Acrolein	BRL	ug/kg dry	110	3.2	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Acrylonitrile	BRL	ug/kg dry	110	2.6	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Benzene	BRL	ug/kg dry	3.2	0.32	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Bromobenzene	BRL	ug/kg dry	5.3	0.22	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Bromochloromethane	BRL	ug/kg dry	5.3	0.77	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Bromodichloromethane	BRL	ug/kg dry	5.3	0.24	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Bromoform	BRL	ug/kg dry	5.3	0.93	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Bromomethane	BRL	ug/kg dry	11	1.5	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Carbon disulfide	BRL	ug/kg dry	11	0.44	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Carbon Tetrachloride	BRL	ug/kg dry	5.3	0.29	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Chlorobenzene	BRL	ug/kg dry	5.3	0.25	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Chloroethane	BRL	ug/kg dry	11	4.0	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Chloroform	BRL	ug/kg dry	5.3	0.22	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Chloromethane	BRL	ug/kg dry	11	2.7	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
cis-1,2-Dichloroethylene	BRL	ug/kg dry	5.3	0.43	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
cis-1,3-Dichloropropylene	BRL	ug/kg dry	5.3	0.26	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Dibromochloromethane	BRL	ug/kg dry	5.3	0.36	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Dibromomethane	BRL	ug/kg dry	5.3	0.36	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Dichlorodifluoromethane	BRL	ug/kg dry	11	0.56	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Ethylbenzene	BRL	ug/kg dry	5.3	0.34	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Hexachlorobutadiene	BRL	ug/kg dry	16	0.68	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Isopropyl Ether	BRL	ug/kg dry	5.3	0.23	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Isopropylbenzene (Cumene)	BRL	ug/kg dry	11	0.26	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
m,p-Xylenes	BRL	ug/kg dry	11	0.68	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/kg dry	53	1.1	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/kg dry	21	1.9	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Methyl Isobutyl Ketone	BRL	ug/kg dry	11	1.4	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Methylene Chloride	BRL	ug/kg dry	11	0.38	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Methyl-tert-Butyl Ether	BRL	ug/kg dry	5.3	0.40	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Naphthalene	BRL	ug/kg dry	5.3	0.39	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
n-Butylbenzene	BRL	ug/kg dry	16	0.23	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
n-Propylbenzene	BRL	ug/kg dry	11	0.30	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
o-Xylene	BRL	ug/kg dry	5.3	0.33	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
sec-Butylbenzene	BRL	ug/kg dry	16	0.21	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Styrene	BRL	ug/kg dry	5.3	0.23	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
tert-Butylbenzene	BRL	ug/kg dry	21	0.27	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Tetrachloroethylene	BRL	ug/kg dry	11	0.37	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Toluene	BRL	ug/kg dry	5.3	0.31	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
trans-1,2-Dichloroethylene	BRL	ug/kg dry	5.3	0.61	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
trans-1,3-Dichloropropylene	BRL	ug/kg dry	5.3	0.25	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Trichloroethylene	BRL	ug/kg dry	5.3	0.49	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Trichlorofluoromethane	BRL	ug/kg dry	5.3	0.43	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320

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Laboratory Report

08/17/2011

Hart & Hickman (Charlotte)
Attn: Kurtis Beshiers
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Charlotte, NC 28203

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-3
Prism Sample ID: 1080358-04
Prism Work Order: 1080358
Time Collected: 08/13/11 14:30
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Vinyl acetate	BRL	ug/kg dry	11	1.5	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320
Vinyl chloride	BRL	ug/kg dry	11	0.68	1	*8260B/5030B	8/15/11 17:37	VHL	P1H0320

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*106 %*	*84-123*
Toluene-d8	*96 %*	*76-129*

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-4
Prism Sample ID: 1080358-05
Prism Work Order: 1080358
Time Collected: 08/13/11 15:00
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	10	3.0	1	*8015C	8/15/11 21:20	JMV	P1H0283
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			*111 %*		*49-124*	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	12	1.6	50	*8015C	8/15/11 12:59	CBL	P1H0269
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			*88 %*		*55-129*	
General Chemistry Parameters									
% Solids	**67.6**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**8/15/11 15:45**	**JAB**	**P1H0306**
Oil & Grease (SGT-HEM)	BRL	mg/kg dry	59	18	1	*9071B	8/15/11 11:00	CKD	P1H0333
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/kg dry	480	180	1	*8270D	8/15/11 16:45	KC	P1H0287
1,2-Dichlorobenzene	BRL	ug/kg dry	480	160	1	*8270D	8/15/11 16:45	KC	P1H0287
1,3-Dichlorobenzene	BRL	ug/kg dry	480	160	1	*8270D	8/15/11 16:45	KC	P1H0287
1,4-Dichlorobenzene	BRL	ug/kg dry	480	150	1	*8270D	8/15/11 16:45	KC	P1H0287
2,4,5-Trichlorophenol	BRL	ug/kg dry	480	130	1	*8270D	8/15/11 16:45	KC	P1H0287
2,4,6-Trichlorophenol	BRL	ug/kg dry	480	160	1	*8270D	8/15/11 16:45	KC	P1H0287
2,4-Dichlorophenol	BRL	ug/kg dry	480	170	1	*8270D	8/15/11 16:45	KC	P1H0287
2,4-Dimethylphenol	BRL	ug/kg dry	480	200	1	*8270D	8/15/11 16:45	KC	P1H0287
2,4-Dinitrophenol	BRL	ug/kg dry	480	76	1	*8270D	8/15/11 16:45	KC	P1H0287
2,4-Dinitrotoluene	BRL	ug/kg dry	480	82	1	*8270D	8/15/11 16:45	KC	P1H0287
2,6-Dinitrotoluene	BRL	ug/kg dry	480	73	1	*8270D	8/15/11 16:45	KC	P1H0287
2-Chloronaphthalene	BRL	ug/kg dry	480	170	1	*8270D	8/15/11 16:45	KC	P1H0287
2-Chlorophenol	BRL	ug/kg dry	480	180	1	*8270D	8/15/11 16:45	KC	P1H0287
2-Methylnaphthalene	BRL	ug/kg dry	480	180	1	*8270D	8/15/11 16:45	KC	P1H0287
2-Methylphenol	BRL	ug/kg dry	480	170	1	*8270D	8/15/11 16:45	KC	P1H0287
2-Nitroaniline	BRL	ug/kg dry	480	84	1	*8270D	8/15/11 16:45	KC	P1H0287
2-Nitrophenol	BRL	ug/kg dry	480	180	1	*8270D	8/15/11 16:45	KC	P1H0287
3,3'-Dichlorobenzidine	BRL	ug/kg dry	480	81	1	*8270D	8/15/11 16:45	KC	P1H0287
3/4-Methylphenol	BRL	ug/kg dry	480	130	1	*8270D	8/15/11 16:45	KC	P1H0287
3-Nitroaniline	BRL	ug/kg dry	480	140	1	*8270D	8/15/11 16:45	KC	P1H0287
4,6-Dinitro-2-methylphenol	BRL	ug/kg dry	480	52	1	*8270D	8/15/11 16:45	KC	P1H0287
4-Bromophenyl phenyl ether	BRL	ug/kg dry	480	110	1	*8270D	8/15/11 16:45	KC	P1H0287
4-Chloro-3-methylphenol	BRL	ug/kg dry	480	170	1	*8270D	8/15/11 16:45	KC	P1H0287
4-Chloroaniline	BRL	ug/kg dry	480	170	1	*8270D	8/15/11 16:45	KC	P1H0287
4-Chlorophenyl phenyl ether	BRL	ug/kg dry	480	140	1	*8270D	8/15/11 16:45	KC	P1H0287
4-Nitroaniline	BRL	ug/kg dry	480	120	1	*8270D	8/15/11 16:45	KC	P1H0287
4-Nitrophenol	BRL	ug/kg dry	480	60	1	*8270D	8/15/11 16:45	KC	P1H0287
Acenaphthene	BRL	ug/kg dry	480	150	1	*8270D	8/15/11 16:45	KC	P1H0287
Acenaphthylene	BRL	ug/kg dry	480	150	1	*8270D	8/15/11 16:45	KC	P1H0287

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Hart & Hickman (Charlotte)
Attn: Kurtis Beshiers
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Charlotte, NC 28203

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-4
Prism Sample ID: 1080358-05
Prism Work Order: 1080358
Time Collected: 08/13/11 15:00
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Aniline	BRL	ug/kg dry	480	160	1	*8270D	8/15/11 16:45	KC	P1H0287
Anthracene	BRL	ug/kg dry	480	95	1	*8270D	8/15/11 16:45	KC	P1H0287
Azobenzene	BRL	ug/kg dry	480	110	1	*8270D	8/15/11 16:45	KC	P1H0287
Benzo(a)anthracene	BRL	ug/kg dry	480	99	1	*8270D	8/15/11 16:45	KC	P1H0287
Benzo(a)pyrene	BRL	ug/kg dry	480	90	1	*8270D	8/15/11 16:45	KC	P1H0287
Benzo(b)fluoranthene	BRL	ug/kg dry	480	66	1	*8270D	8/15/11 16:45	KC	P1H0287
Benzo(g,h,i)perylene	BRL	ug/kg dry	480	150	1	*8270D	8/15/11 16:45	KC	P1H0287
Benzo(k)fluoranthene	BRL	ug/kg dry	480	140	1	*8270D	8/15/11 16:45	KC	P1H0287
Benzoic Acid	BRL	ug/kg dry	480	64	1	*8270D	8/15/11 16:45	KC	P1H0287
Benzyl alcohol	BRL	ug/kg dry	480	160	1	*8270D	8/15/11 16:45	KC	P1H0287
bis(2-Chloroethoxy)methane	BRL	ug/kg dry	480	250	1	*8270D	8/15/11 16:45	KC	P1H0287
Bis(2-Chloroethyl)ether	BRL	ug/kg dry	480	180	1	*8270D	8/15/11 16:45	KC	P1H0287
Bis(2-chloroisopropyl)ether	BRL	ug/kg dry	480	190	1	*8270D	8/15/11 16:45	KC	P1H0287
Bis(2-Ethylhexyl)phthalate	BRL	ug/kg dry	480	94	1	*8270D	8/15/11 16:45	KC	P1H0287
Butyl benzyl phthalate	BRL	ug/kg dry	480	110	1	*8270D	8/15/11 16:45	KC	P1H0287
Chrysene	BRL	ug/kg dry	480	110	1	*8270D	8/15/11 16:45	KC	P1H0287
Dibenzo(a,h)anthracene	BRL	ug/kg dry	480	160	1	*8270D	8/15/11 16:45	KC	P1H0287
Dibenzofuran	BRL	ug/kg dry	480	140	1	*8270D	8/15/11 16:45	KC	P1H0287
Diethyl phthalate	BRL	ug/kg dry	480	87	1	*8270D	8/15/11 16:45	KC	P1H0287
Dimethyl phthalate	BRL	ug/kg dry	480	90	1	*8270D	8/15/11 16:45	KC	P1H0287
Di-n-butyl phthalate	BRL	ug/kg dry	480	110	1	*8270D	8/15/11 16:45	KC	P1H0287
Di-n-octyl phthalate	BRL	ug/kg dry	480	110	1	*8270D	8/15/11 16:45	KC	P1H0287
Fluoranthene	BRL	ug/kg dry	480	100	1	*8270D	8/15/11 16:45	KC	P1H0287
Fluorene	BRL	ug/kg dry	480	110	1	*8270D	8/15/11 16:45	KC	P1H0287
Hexachlorobenzene	BRL	ug/kg dry	480	81	1	*8270D	8/15/11 16:45	KC	P1H0287
Hexachlorobutadiene	BRL	ug/kg dry	480	180	1	*8270D	8/15/11 16:45	KC	P1H0287
Hexachlorocyclopentadiene	BRL	ug/kg dry	480	150	1	*8270D	8/15/11 16:45	KC	P1H0287
Hexachloroethane	BRL	ug/kg dry	480	160	1	*8270D	8/15/11 16:45	KC	P1H0287
Indeno(1,2,3-cd)pyrene	BRL	ug/kg dry	480	130	1	*8270D	8/15/11 16:45	KC	P1H0287
Isophorone	BRL	ug/kg dry	480	180	1	*8270D	8/15/11 16:45	KC	P1H0287
Naphthalene	BRL	ug/kg dry	480	190	1	*8270D	8/15/11 16:45	KC	P1H0287
Nitrobenzene	BRL	ug/kg dry	480	160	1	*8270D	8/15/11 16:45	KC	P1H0287
N-Nitroso-di-n-propylamine	BRL	ug/kg dry	480	170	1	*8270D	8/15/11 16:45	KC	P1H0287
N-Nitrosodiphenylamine	BRL	ug/kg dry	480	97	1	*8270D	8/15/11 16:45	KC	P1H0287
Pentachlorophenol	BRL	ug/kg dry	480	40	1	*8270D	8/15/11 16:45	KC	P1H0287
Phenanthrene	BRL	ug/kg dry	480	85	1	*8270D	8/15/11 16:45	KC	P1H0287
Phenol	BRL	ug/kg dry	480	180	1	*8270D	8/15/11 16:45	KC	P1H0287
Pyrene	BRL	ug/kg dry	480	130	1	*8270D	8/15/11 16:45	KC	P1H0287

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*98 %*	*34-134*
2-Fluorobiphenyl	*84 %*	*17-122*
2-Fluorophenol	*67 %*	*13-108*
Nitrobenzene-d5	*75 %*	*11-118*

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Hart & Hickman (Charlotte)
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Charlotte, NC 28203

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-4
Prism Sample ID: 1080358-05
Prism Work Order: 1080358
Time Collected: 08/13/11 15:00
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
			Phenol-d5				*69 %*	*23-109*	
			Terphenyl-d14				*91 %*	*41-156*	
Total Metals									
Mercury	BRL	mg/kg dry	0.032	0.0039	1	*7471B	8/15/11 16:06	LTB	P1H0295
Antimony	BRL	mg/kg dry	0.29	0.053	1	*6010C	8/16/11 11:40	LTB	P1H0286
Arsenic	**4.3**	**mg/kg dry**	**0.73**	**0.083**	**1**	***6010C**	**8/16/11 11:40**	**LTB**	**P1H0286**
Beryllium	**1.2**	**mg/kg dry**	**0.37**	**0.062**	**1**	***6010C**	**8/16/11 11:40**	**LTB**	**P1H0286**
Cadmium	BRL	mg/kg dry	0.37	0.039	1	*6010C	8/16/11 11:40	LTB	P1H0286
Chromium	**30**	**mg/kg dry**	**0.37**	**0.050**	**1**	***6010C**	**8/16/11 11:40**	**LTB**	**P1H0286**
Copper	**34**	**mg/kg dry**	**0.73**	**0.32**	**1**	***6010C**	**8/16/11 11:40**	**LTB**	**P1H0286**
Lead	**12**	**mg/kg dry**	**0.37**	**0.090**	**1**	***6010C**	**8/16/11 11:40**	**LTB**	**P1H0286**
Manganese	**140**	**mg/kg dry**	**0.37**	**0.035**	**1**	***6010C**	**8/16/11 11:40**	**LTB**	**P1H0286**
Nickel	**17**	**mg/kg dry**	**1.5**	**0.45**	**1**	***6010C**	**8/16/11 11:40**	**LTB**	**P1H0286**
Selenium	**3.4**	**mg/kg dry**	**0.73**	**0.15**	**1**	***6010C**	**8/16/11 11:40**	**LTB**	**P1H0286**
Silver	BRL	mg/kg dry	0.37	0.037	1	*6010C	8/16/11 11:40	LTB	P1H0286
Thallium	BRL	mg/kg dry	0.73	0.14	1	*6010C	8/16/11 11:40	LTB	P1H0286
Zinc	**87**	**mg/kg dry**	**3.7**	**0.37**	**1**	***6010C**	**8/16/11 11:40**	**LTB**	**P1H0286**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/kg dry	7.2	0.43	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,1,1-Trichloroethane	BRL	ug/kg dry	7.2	0.24	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,1,2,2-Tetrachloroethane	BRL	ug/kg dry	7.2	1.2	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,1,2-Trichloroethane	BRL	ug/kg dry	7.2	0.61	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,1-Dichloroethane	BRL	ug/kg dry	7.2	0.61	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,1-Dichloroethylene	BRL	ug/kg dry	7.2	0.44	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,1-Dichloropropylene	BRL	ug/kg dry	7.2	0.76	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,2,3-Trichlorobenzene	BRL	ug/kg dry	14	0.53	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,2,3-Trichloropropane	BRL	ug/kg dry	7.2	1.1	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,2,4-Trichlorobenzene	BRL	ug/kg dry	14	0.42	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,2,4-Trimethylbenzene	BRL	ug/kg dry	14	1.4	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,2-Dibromo-3-chloropropane	BRL	ug/kg dry	7.2	2.2	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,2-Dibromoethane	BRL	ug/kg dry	7.2	0.83	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,2-Dichlorobenzene	BRL	ug/kg dry	14	0.33	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,2-Dichloroethane	BRL	ug/kg dry	7.2	1.2	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,2-Dichloropropane	BRL	ug/kg dry	7.2	0.46	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,3,5-Trimethylbenzene	BRL	ug/kg dry	14	0.34	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,3-Dichlorobenzene	BRL	ug/kg dry	14	0.099	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,3-Dichloropropane	BRL	ug/kg dry	7.2	0.78	1	*8260B	8/15/11 17:04	VHL	P1H0294
1,4-Dichlorobenzene	BRL	ug/kg dry	14	0.53	1	*8260B	8/15/11 17:04	VHL	P1H0294
2,2-Dichloropropane	BRL	ug/kg dry	7.2	0.45	1	*8260B	8/15/11 17:04	VHL	P1H0294
2-Chloroethyl Vinyl Ether	BRL	ug/kg dry	14	4.0	1	*8260B	8/15/11 17:04	VHL	P1H0294
2-Chlorotoluene	BRL	ug/kg dry	14	0.44	1	*8260B	8/15/11 17:04	VHL	P1H0294
4-Chlorotoluene	BRL	ug/kg dry	14	0.34	1	*8260B	8/15/11 17:04	VHL	P1H0294

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Hart & Hickman (Charlotte)
Attn: Kurtis Beshiers
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Charlotte, NC 28203

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-4
Prism Sample ID: 1080358-05
Prism Work Order: 1080358
Time Collected: 08/13/11 15:00
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Isopropyltoluene	BRL	ug/kg dry	22	0.46	1	*8260B	8/15/11 17:04	VHL	P1H0294
Acetone	BRL	ug/kg dry	29	3.8	1	*8260B	8/15/11 17:04	VHL	P1H0294
Acrolein	BRL	ug/kg dry	140	4.4	1	*8260B	8/15/11 17:04	VHL	P1H0294
Acrylonitrile	BRL	ug/kg dry	140	3.6	1	*8260B	8/15/11 17:04	VHL	P1H0294
Benzene	BRL	ug/kg dry	4.3	0.44	1	*8260B	8/15/11 17:04	VHL	P1H0294
Bromobenzene	BRL	ug/kg dry	7.2	0.31	1	*8260B	8/15/11 17:04	VHL	P1H0294
Bromochloromethane	BRL	ug/kg dry	7.2	1.0	1	*8260B	8/15/11 17:04	VHL	P1H0294
Bromodichloromethane	BRL	ug/kg dry	7.2	0.33	1	*8260B	8/15/11 17:04	VHL	P1H0294
Bromoform	BRL	ug/kg dry	7.2	1.3	1	*8260B	8/15/11 17:04	VHL	P1H0294
Bromomethane	BRL	ug/kg dry	14	2.0	1	*8260B	8/15/11 17:04	VHL	P1H0294
Carbon disulfide	BRL	ug/kg dry	14	0.60	1	*8260B	8/15/11 17:04	VHL	P1H0294
Carbon Tetrachloride	BRL	ug/kg dry	7.2	0.39	1	*8260B	8/15/11 17:04	VHL	P1H0294
Chlorobenzene	BRL	ug/kg dry	7.2	0.34	1	*8260B	8/15/11 17:04	VHL	P1H0294
Chloroethane	BRL	ug/kg dry	14	5.5	1	*8260B	8/15/11 17:04	VHL	P1H0294
Chloroform	BRL	ug/kg dry	7.2	0.30	1	*8260B	8/15/11 17:04	VHL	P1H0294
Chloromethane	BRL	ug/kg dry	14	3.7	1	*8260B	8/15/11 17:04	VHL	P1H0294
cis-1,2-Dichloroethylene	BRL	ug/kg dry	7.2	0.58	1	*8260B	8/15/11 17:04	VHL	P1H0294
cis-1,3-Dichloropropylene	BRL	ug/kg dry	7.2	0.36	1	*8260B	8/15/11 17:04	VHL	P1H0294
Dibromochloromethane	BRL	ug/kg dry	7.2	0.49	1	*8260B	8/15/11 17:04	VHL	P1H0294
Dibromomethane	BRL	ug/kg dry	7.2	0.49	1	*8260B	8/15/11 17:04	VHL	P1H0294
Dichlorodifluoromethane	BRL	ug/kg dry	14	0.77	1	*8260B	8/15/11 17:04	VHL	P1H0294
Ethylbenzene	BRL	ug/kg dry	7.2	0.46	1	*8260B	8/15/11 17:04	VHL	P1H0294
Hexachlorobutadiene	BRL	ug/kg dry	22	0.93	1	*8260B	8/15/11 17:04	VHL	P1H0294
Isopropyl Ether	BRL	ug/kg dry	7.2	0.31	1	*8260B	8/15/11 17:04	VHL	P1H0294
Isopropylbenzene (Cumene)	BRL	ug/kg dry	14	0.36	1	*8260B	8/15/11 17:04	VHL	P1H0294
m,p-Xylenes	BRL	ug/kg dry	14	0.93	1	*8260B	8/15/11 17:04	VHL	P1H0294
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/kg dry	72	1.5	1	*8260B	8/15/11 17:04	VHL	P1H0294
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/kg dry	29	2.6	1	*8260B	8/15/11 17:04	VHL	P1H0294
Methyl Isobutyl Ketone	BRL	ug/kg dry	14	1.9	1	*8260B	8/15/11 17:04	VHL	P1H0294
Methylene Chloride	BRL	ug/kg dry	14	0.52	1	*8260B	8/15/11 17:04	VHL	P1H0294
Methyl-tert-Butyl Ether	BRL	ug/kg dry	7.2	0.55	1	*8260B	8/15/11 17:04	VHL	P1H0294
Naphthalene	BRL	ug/kg dry	7.2	0.53	1	*8260B	8/15/11 17:04	VHL	P1H0294
n-Butylbenzene	BRL	ug/kg dry	22	0.32	1	*8260B	8/15/11 17:04	VHL	P1H0294
n-Propylbenzene	BRL	ug/kg dry	14	0.41	1	*8260B	8/15/11 17:04	VHL	P1H0294
o-Xylene	BRL	ug/kg dry	7.2	0.46	1	*8260B	8/15/11 17:04	VHL	P1H0294
sec-Butylbenzene	BRL	ug/kg dry	22	0.29	1	*8260B	8/15/11 17:04	VHL	P1H0294
Styrene	BRL	ug/kg dry	7.2	0.31	1	*8260B	8/15/11 17:04	VHL	P1H0294
tert-Butylbenzene	BRL	ug/kg dry	29	0.37	1	*8260B	8/15/11 17:04	VHL	P1H0294
Tetrachloroethylene	BRL	ug/kg dry	14	0.50	1	*8260B	8/15/11 17:04	VHL	P1H0294
Toluene	BRL	ug/kg dry	7.2	0.43	1	*8260B	8/15/11 17:04	VHL	P1H0294
trans-1,2-Dichloroethylene	BRL	ug/kg dry	7.2	0.83	1	*8260B	8/15/11 17:04	VHL	P1H0294
trans-1,3-Dichloropropylene	BRL	ug/kg dry	7.2	0.35	1	*8260B	8/15/11 17:04	VHL	P1H0294
Trichloroethylene	BRL	ug/kg dry	7.2	0.67	1	*8260B	8/15/11 17:04	VHL	P1H0294
Trichlorofluoromethane	BRL	ug/kg dry	7.2	0.58	1	*8260B	8/15/11 17:04	VHL	P1H0294

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

Project: PPA-040

Project No.: PPA-040
Sample Matrix: Soil

Client Sample ID: SS-4
Prism Sample ID: 1080358-05
Prism Work Order: 1080358
Time Collected: 08/13/11 15:00
Time Submitted: 08/15/11 07:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Vinyl acetate	BRL	ug/kg dry	14	2.0	1	*8260B	8/15/11 17:04	VHL	P1H0294
Vinyl chloride	BRL	ug/kg dry	14	0.93	1	*8260B	8/15/11 17:04	VHL	P1H0294

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*111 %*	*84-123*
Toluene-d8	*94 %*	*76-129*

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Attn: Kurtis Beshiers
2923 South Tryon St. Ste 100
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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

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 P1H0294 - 5035										
Blank (P1H0294-BLK1)				Prepared & Analyzed: 08/15/11						
1,1,1,2-Tetrachloroethane	BRL	5.0	ug/kg wet							
1,1,1-Trichloroethane	BRL	5.0	ug/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0	ug/kg wet							
1,1,2-Trichloroethane	BRL	5.0	ug/kg wet							
1,1-Dichloroethane	BRL	5.0	ug/kg wet							
1,1-Dichloroethylene	BRL	5.0	ug/kg wet							
1,1-Dichloropropylene	BRL	5.0	ug/kg wet							
1,2,3-Trichlorobenzene	BRL	10	ug/kg wet							
1,2,3-Trichloropropane	BRL	5.0	ug/kg wet							
1,2,4-Trichlorobenzene	BRL	10	ug/kg wet							
1,2,4-Trimethylbenzene	BRL	10	ug/kg wet							
1,2-Dibromo-3-chloropropane	BRL	5.0	ug/kg wet							
1,2-Dibromoethane	BRL	5.0	ug/kg wet							
1,2-Dichlorobenzene	BRL	10	ug/kg wet							
1,2-Dichloroethane	BRL	5.0	ug/kg wet							
1,2-Dichloropropane	BRL	5.0	ug/kg wet							
1,3,5-Trimethylbenzene	BRL	10	ug/kg wet							
1,3-Dichlorobenzene	BRL	10	ug/kg wet							
1,3-Dichloropropane	BRL	5.0	ug/kg wet							
1,4-Dichlorobenzene	BRL	10	ug/kg wet							
2,2-Dichloropropane	BRL	5.0	ug/kg wet							
2-Chloroethyl Vinyl Ether	BRL	10	ug/kg wet							
2-Chlorotoluene	BRL	10	ug/kg wet							
4-Chlorotoluene	BRL	10	ug/kg wet							
4-Isopropyltoluene	BRL	15	ug/kg wet							
Acetone	BRL	20	ug/kg wet							
Acrolein	BRL	100	ug/kg wet							
Acrylonitrile	BRL	100	ug/kg wet							
Benzene	BRL	3.0	ug/kg wet							
Bromobenzene	BRL	5.0	ug/kg wet							
Bromochloromethane	BRL	5.0	ug/kg wet							
Bromodichloromethane	BRL	5.0	ug/kg wet							
Bromoform	BRL	5.0	ug/kg wet							
Bromomethane	BRL	10	ug/kg wet							
Carbon disulfide	BRL	10	ug/kg wet							
Carbon Tetrachloride	BRL	5.0	ug/kg wet							
Chlorobenzene	BRL	5.0	ug/kg wet							
Chloroethane	BRL	10	ug/kg wet							
Chloroform	BRL	5.0	ug/kg wet							
Chloromethane	BRL	10	ug/kg wet							
cis-1,2-Dichloroethylene	BRL	5.0	ug/kg wet							
cis-1,3-Dichloropropylene	BRL	5.0	ug/kg wet							
Dibromochloromethane	BRL	5.0	ug/kg wet							
Dibromomethane	BRL	5.0	ug/kg wet							
Dichlorodifluoromethane	BRL	10	ug/kg wet							
Ethylbenzene	BRL	5.0	ug/kg wet							

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

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 P1H0294 - 5035										
Blank (P1H0294-BLK1)				Prepared & Analyzed: 08/15/11						
Hexachlorobutadiene	BRL	15	ug/kg wet							
Isopropyl Ether	BRL	5.0	ug/kg wet							
Isopropylbenzene (Cumene)	BRL	10	ug/kg wet							
m,p-Xylenes	BRL	10	ug/kg wet							
Methyl Butyl Ketone (2-Hexanone)	BRL	50	ug/kg wet							
Methyl Ethyl Ketone (2-Butanone)	BRL	20	ug/kg wet							
Methyl Isobutyl Ketone	BRL	10	ug/kg wet							
Methylene Chloride	BRL	10	ug/kg wet							
Methyl-tert-Butyl Ether	BRL	5.0	ug/kg wet							
Naphthalene	BRL	5.0	ug/kg wet							
n-Butylbenzene	BRL	15	ug/kg wet							
n-Propylbenzene	BRL	10	ug/kg wet							
o-Xylene	BRL	5.0	ug/kg wet							
sec-Butylbenzene	BRL	15	ug/kg wet							
Styrene	BRL	5.0	ug/kg wet							
tert-Butylbenzene	BRL	20	ug/kg wet							
Tetrachloroethylene	BRL	10	ug/kg wet							
Toluene	BRL	5.0	ug/kg wet							
trans-1,2-Dichloroethylene	BRL	5.0	ug/kg wet							
trans-1,3-Dichloropropylene	BRL	5.0	ug/kg wet							
Trichloroethylene	BRL	5.0	ug/kg wet							
Trichlorofluoromethane	BRL	5.0	ug/kg wet							
Vinyl acetate	BRL	10	ug/kg wet							
Vinyl chloride	BRL	10	ug/kg wet							
Surrogate: 4-Bromofluorobenzene	*50.2*		*ug/kg wet*	*50.0*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*53.5*		*ug/kg wet*	*50.0*		*107*	*84-123*			
Surrogate: Toluene-d8	*48.0*		*ug/kg wet*	*50.0*		*96*	*76-129*			

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

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 P1H0294 - 5035										
LCS (P1H0294-BS1)				Prepared & Analyzed: 08/15/11						
1,1-Dichloroethylene	49.8	5.0	ug/kg wet	50.0		100	67-149			
Benzene	49.0	3.0	ug/kg wet	50.0		98	74-127			
Chlorobenzene	51.1	5.0	ug/kg wet	50.0		102	74-118			
Toluene	49.6	5.0	ug/kg wet	50.0		99	71-129			
Trichloroethylene	51.2	5.0	ug/kg wet	50.0		102	75-133			
Surrogate: 4-Bromofluorobenzene	*46.6*		*ug/kg wet*	*50.0*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/kg wet*	*50.0*		*100*	*84-123*			
Surrogate: Toluene-d8	*47.8*		*ug/kg wet*	*50.0*		*96*	*76-129*			
LCS Dup (P1H0294-BSD1)				Prepared & Analyzed: 08/15/11						
1,1-Dichloroethylene	42.1	5.0	ug/kg wet	50.0		84	67-149	17	200	
Benzene	40.7	3.0	ug/kg wet	50.0		81	74-127	18	200	
Chlorobenzene	43.2	5.0	ug/kg wet	50.0		86	74-118	17	200	
Toluene	41.4	5.0	ug/kg wet	50.0		83	71-129	18	200	
Trichloroethylene	42.9	5.0	ug/kg wet	50.0		86	75-133	18	200	
Surrogate: 4-Bromofluorobenzene	*48.8*		*ug/kg wet*	*50.0*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*50.3*		*ug/kg wet*	*50.0*		*101*	*84-123*			
Surrogate: Toluene-d8	*48.9*		*ug/kg wet*	*50.0*		*98*	*76-129*			
Matrix Spike (P1H0294-MS1)		**Source: 1080358-03**		Prepared & Analyzed: 08/15/11						
1,1-Dichloroethylene	41.7	4.6	ug/kg dry	46.2	BRL	90	54-162			
Benzene	41.6	2.8	ug/kg dry	46.2	BRL	90	60-135			
Chlorobenzene	43.8	4.6	ug/kg dry	46.2	BRL	95	57-125			
Toluene	42.3	4.6	ug/kg dry	46.2	BRL	91	57-135			
Trichloroethylene	46.6	4.6	ug/kg dry	46.2	BRL	101	38-164			
Surrogate: 4-Bromofluorobenzene	*45.5*		*ug/kg dry*	*46.2*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*45.0*		*ug/kg dry*	*46.2*		*97*	*84-123*			
Surrogate: Toluene-d8	*44.2*		*ug/kg dry*	*46.2*		*96*	*76-129*			

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

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 P1H0294 - 5035										
Matrix Spike Dup (P1H0294-MSD1)		**Source: 1080358-03**		Prepared & Analyzed: 08/15/11						
1,1-Dichloroethylene	35.3	5.0	ug/kg dry	50.5	BRL	70	54-162	17	22	
Benzene	35.7	3.0	ug/kg dry	50.5	BRL	71	60-135	15	20	
Chlorobenzene	35.7	5.0	ug/kg dry	50.5	BRL	71	57-125	20	14	D
Toluene	35.5	5.0	ug/kg dry	50.5	BRL	70	57-135	17	22	
Trichloroethylene	37.5	5.0	ug/kg dry	50.5	BRL	74	38-164	22	18	D
Surrogate: 4-Bromofluorobenzene	*50.1*		*ug/kg dry*	*50.5*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*49.9*		*ug/kg dry*	*50.5*		*99*	*84-123*			
Surrogate: Toluene-d8	*50.1*		*ug/kg dry*	*50.5*		*99*	*76-129*			
Batch P1H0314 - 5030B										
Blank (P1H0314-BLK1)				Prepared & Analyzed: 08/15/11						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	0.50	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethylene	BRL	0.50	ug/L							
1,1-Dichloropropylene	BRL	0.50	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	0.50	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	0.50	ug/L							
1,2-Dichlorobenzene	BRL	0.50	ug/L							
1,2-Dichloroethane	BRL	0.50	ug/L							
1,2-Dichloropropane	BRL	0.50	ug/L							
1,3,5-Trimethylbenzene	BRL	0.50	ug/L							
1,3-Dichlorobenzene	BRL	0.50	ug/L							
1,3-Dichloropropane	BRL	0.50	ug/L							
1,4-Dichlorobenzene	BRL	0.50	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chloroethyl Vinyl Ether	BRL	2.0	ug/L							
2-Chlorotoluene	BRL	0.50	ug/L							
4-Chlorotoluene	BRL	0.50	ug/L							
4-Isopropyltoluene	BRL	0.50	ug/L							
Acetone	BRL	5.0	ug/L							
Acrolein	BRL	20	ug/L							
Acrylonitrile	BRL	20	ug/L							
Benzene	BRL	0.50	ug/L							
Bromobenzene	BRL	0.50	ug/L							
Bromochloromethane	BRL	0.50	ug/L							
Bromodichloromethane	BRL	0.50	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	1.0	ug/L							
Carbon disulfide	BRL	5.0	ug/L							

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

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

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 P1H0314 - 5030B										
Blank (P1H0314-BLK1)				Prepared & Analyzed: 08/15/11						
Carbon Tetrachloride	BRL	0.50	ug/L							
Chlorobenzene	BRL	0.50	ug/L							
Chloroethane	BRL	0.50	ug/L							
Chloroform	BRL	0.50	ug/L							
Chloromethane	BRL	0.50	ug/L							
cis-1,2-Dichloroethylene	BRL	0.50	ug/L							
cis-1,3-Dichloropropylene	BRL	0.50	ug/L							
Dibromochloromethane	BRL	0.50	ug/L							
Dibromomethane	BRL	0.50	ug/L							
Dichlorodifluoromethane	BRL	1.0	ug/L							
Ethylbenzene	BRL	0.50	ug/L							
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	0.50	ug/L							
Isopropylbenzene (Cumene)	BRL	0.50	ug/L							
m,p-Xylenes	BRL	1.0	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	1.0	ug/L							
Methyl-tert-Butyl Ether	BRL	0.50	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	0.50	ug/L							
o-Xylene	BRL	0.50	ug/L							
sec-Butylbenzene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
tert-Butylbenzene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.50	ug/L							
Toluene	BRL	0.50	ug/L							
trans-1,2-Dichloroethylene	BRL	0.50	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
Trichloroethylene	BRL	0.50	ug/L							
Trichlorofluoromethane	BRL	0.50	ug/L							
Vinyl acetate	BRL	2.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*46.8*		*ug/L*	*50.0*		*94*	*80-124*			
Surrogate: Dibromofluoromethane	*50.1*		*ug/L*	*50.0*		*100*	*75-129*			
Surrogate: Toluene-d8	*46.0*		*ug/L*	*50.0*		*92*	*77-123*			

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Attn: Kurtis Beshiers
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

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 P1H0314 - 5030B										
LCS (P1H0314-BS1)				Prepared & Analyzed: 08/15/11						
1,1-Dichloroethylene	20.4	0.50	ug/L	20.0		102	70-154			
Benzene	19.8	0.50	ug/L	20.0		99	77-128			
Chlorobenzene	19.4	0.50	ug/L	20.0		97	78-119			
Toluene	20.4	0.50	ug/L	20.0		102	76-131			
Trichloroethylene	19.7	0.50	ug/L	20.0		99	77-133			
Surrogate: 4-Bromofluorobenzene	*46.8*		*ug/L*	*50.0*		*94*	*80-124*			
Surrogate: Dibromofluoromethane	*49.7*		*ug/L*	*50.0*		*99*	*75-129*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50.0*		*94*	*77-123*			
LCS Dup (P1H0314-BSD1)				Prepared & Analyzed: 08/15/11						
1,1-Dichloroethylene	20.6	0.50	ug/L	20.0		103	70-154	1	200	
Benzene	19.8	0.50	ug/L	20.0		99	77-128	0.4	200	
Chlorobenzene	19.5	0.50	ug/L	20.0		98	78-119	0.5	200	
Toluene	20.6	0.50	ug/L	20.0		103	76-131	0.9	200	
Trichloroethylene	20.0	0.50	ug/L	20.0		100	77-133	1	200	
Surrogate: 4-Bromofluorobenzene	*47.8*		*ug/L*	*50.0*		*96*	*80-124*			
Surrogate: Dibromofluoromethane	*51.4*		*ug/L*	*50.0*		*103*	*75-129*			
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50.0*		*95*	*77-123*			
Matrix Spike (P1H0314-MS1)		**Source: 1080358-01**		Prepared: 08/15/11	Analyzed: 08/16/11					
1,1-Dichloroethylene	171	5.0	ug/L	200	BRL	85	65-162			
Benzene	175	5.0	ug/L	200	BRL	88	73-131			
Chlorobenzene	182	5.0	ug/L	200	BRL	91	76-119			
Toluene	183	5.0	ug/L	200	BRL	92	72-135			
Trichloroethylene	172	5.0	ug/L	200	BRL	86	72-133			
Surrogate: 4-Bromofluorobenzene	*43.7*		*ug/L*	*50.0*		*87*	*80-124*			
Surrogate: Dibromofluoromethane	*48.0*		*ug/L*	*50.0*		*96*	*75-129*			
Surrogate: Toluene-d8	*43.7*		*ug/L*	*50.0*		*87*	*77-123*			

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

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 P1H0314 - 5030B										
Matrix Spike Dup (P1H0314-MSD1)		**Source: 1080358-01**		Prepared: 08/15/11 Analyzed: 08/16/11						
1,1-Dichloroethylene	172	5.0	ug/L	200	BRL	86	65-162	0.9	20	
Benzene	180	5.0	ug/L	200	BRL	90	73-131	3	17	
Chlorobenzene	181	5.0	ug/L	200	BRL	90	76-119	0.7	20	
Toluene	188	5.0	ug/L	200	BRL	94	72-135	3	18	
Trichloroethylene	178	5.0	ug/L	200	BRL	89	72-133	4	17	
Surrogate: 4-Bromofluorobenzene	*45.9*		*ug/L*	*50.0*		*92*	*80-124*			
Surrogate: Dibromofluoromethane	*49.8*		*ug/L*	*50.0*		*100*	*75-129*			
Surrogate: Toluene-d8	*45.6*		*ug/L*	*50.0*		*91*	*77-123*			
Batch P1H0320 - 5030B Soil										
Blank (P1H0320-BLK1)				Prepared & Analyzed: 08/15/11						
1,1,1,2-Tetrachloroethane	BRL	5.0	ug/kg wet							
1,1,1-Trichloroethane	BRL	5.0	ug/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0	ug/kg wet							
1,1,2-Trichloroethane	BRL	5.0	ug/kg wet							
1,1-Dichloroethane	BRL	5.0	ug/kg wet							
1,1-Dichloroethylene	BRL	5.0	ug/kg wet							
1,1-Dichloropropylene	BRL	5.0	ug/kg wet							
1,2,3-Trichlorobenzene	BRL	10	ug/kg wet							
1,2,3-Trichloropropane	BRL	5.0	ug/kg wet							
1,2,4-Trichlorobenzene	BRL	10	ug/kg wet							
1,2,4-Trimethylbenzene	BRL	10	ug/kg wet							
1,2-Dibromo-3-chloropropane	BRL	5.0	ug/kg wet							
1,2-Dibromoethane	BRL	5.0	ug/kg wet							
1,2-Dichlorobenzene	BRL	10	ug/kg wet							
1,2-Dichloroethane	BRL	5.0	ug/kg wet							
1,2-Dichloropropane	BRL	5.0	ug/kg wet							
1,3,5-Trimethylbenzene	BRL	10	ug/kg wet							
1,3-Dichlorobenzene	BRL	10	ug/kg wet							
1,3-Dichloropropane	BRL	5.0	ug/kg wet							
1,4-Dichlorobenzene	BRL	10	ug/kg wet							
2,2-Dichloropropane	BRL	5.0	ug/kg wet							
2-Chloroethyl Vinyl Ether	BRL	10	ug/kg wet							
2-Chlorotoluene	BRL	10	ug/kg wet							
4-Chlorotoluene	BRL	10	ug/kg wet							
4-Isopropyltoluene	BRL	15	ug/kg wet							
Acetone	BRL	20	ug/kg wet							
Acrolein	BRL	100	ug/kg wet							
Acrylonitrile	BRL	100	ug/kg wet							
Benzene	BRL	3.0	ug/kg wet							
Bromobenzene	BRL	5.0	ug/kg wet							
Bromochloromethane	BRL	5.0	ug/kg wet							
Bromodichloromethane	BRL	5.0	ug/kg wet							
Bromoform	BRL	5.0	ug/kg wet							
Bromomethane	BRL	10	ug/kg wet							
Carbon disulfide	BRL	10	ug/kg wet							

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

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

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 P1H0320 - 5030B Soil										
Blank (P1H0320-BLK1)				Prepared & Analyzed: 08/15/11						
Carbon Tetrachloride	BRL	5.0	ug/kg wet							
Chlorobenzene	BRL	5.0	ug/kg wet							
Chloroethane	BRL	10	ug/kg wet							
Chloroform	BRL	5.0	ug/kg wet							
Chloromethane	BRL	10	ug/kg wet							
cis-1,2-Dichloroethylene	BRL	5.0	ug/kg wet							
cis-1,3-Dichloropropylene	BRL	5.0	ug/kg wet							
Dibromochloromethane	BRL	5.0	ug/kg wet							
Dibromomethane	BRL	5.0	ug/kg wet							
Dichlorodifluoromethane	BRL	10	ug/kg wet							
Ethylbenzene	BRL	5.0	ug/kg wet							
Hexachlorobutadiene	BRL	15	ug/kg wet							
Isopropyl Ether	BRL	5.0	ug/kg wet							
Isopropylbenzene (Cumene)	BRL	10	ug/kg wet							
m,p-Xylenes	BRL	10	ug/kg wet							
Methyl Butyl Ketone (2-Hexanone)	BRL	50	ug/kg wet							
Methyl Ethyl Ketone (2-Butanone)	BRL	20	ug/kg wet							
Methyl Isobutyl Ketone	BRL	10	ug/kg wet							
Methylene Chloride	BRL	10	ug/kg wet							
Methyl-tert-Butyl Ether	BRL	5.0	ug/kg wet							
Naphthalene	BRL	5.0	ug/kg wet							
n-Butylbenzene	BRL	15	ug/kg wet							
n-Propylbenzene	BRL	10	ug/kg wet							
o-Xylene	BRL	5.0	ug/kg wet							
sec-Butylbenzene	BRL	15	ug/kg wet							
Styrene	BRL	5.0	ug/kg wet							
tert-Butylbenzene	BRL	20	ug/kg wet							
Tetrachloroethylene	BRL	10	ug/kg wet							
Toluene	BRL	5.0	ug/kg wet							
trans-1,2-Dichloroethylene	BRL	5.0	ug/kg wet							
trans-1,3-Dichloropropylene	BRL	5.0	ug/kg wet							
Trichloroethylene	BRL	5.0	ug/kg wet							
Trichlorofluoromethane	BRL	5.0	ug/kg wet							
Vinyl acetate	BRL	10	ug/kg wet							
Vinyl chloride	BRL	10	ug/kg wet							
Surrogate: 4-Bromofluorobenzene	*50.2*		*ug/kg wet*	*50.0*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*53.5*		*ug/kg wet*	*50.0*		*107*	*84-123*			
Surrogate: Toluene-d8	*48.0*		*ug/kg wet*	*50.0*		*96*	*76-129*			

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Project: PPA-040

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Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

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 P1H0320 - 5030B Soil										
LCS (P1H0320-BS1)				Prepared & Analyzed: 08/15/11						
1,1-Dichloroethylene	49.8	5.0	ug/kg wet	50.0		100	67-149			
Benzene	49.0	3.0	ug/kg wet	50.0		98	74-127			
Chlorobenzene	51.1	5.0	ug/kg wet	50.0		102	74-118			
Toluene	49.6	5.0	ug/kg wet	50.0		99	71-129			
Trichloroethylene	51.2	5.0	ug/kg wet	50.0		102	75-133			
Surrogate: 4-Bromofluorobenzene	*46.6*		*ug/kg wet*	*50.0*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/kg wet*	*50.0*		*100*	*84-123*			
Surrogate: Toluene-d8	*47.8*		*ug/kg wet*	*50.0*		*96*	*76-129*			
LCS Dup (P1H0320-BSD1)				Prepared & Analyzed: 08/15/11						
1,1-Dichloroethylene	42.1	5.0	ug/kg wet	50.0		84	67-149	17	200	
Benzene	40.7	3.0	ug/kg wet	50.0		81	74-127	18	200	
Chlorobenzene	43.2	5.0	ug/kg wet	50.0		86	74-118	17	200	
Toluene	41.4	5.0	ug/kg wet	50.0		83	71-129	18	200	
Trichloroethylene	42.9	5.0	ug/kg wet	50.0		86	75-133	18	200	
Surrogate: 4-Bromofluorobenzene	*48.8*		*ug/kg wet*	*50.0*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*50.3*		*ug/kg wet*	*50.0*		*101*	*84-123*			
Surrogate: Toluene-d8	*48.9*		*ug/kg wet*	*50.0*		*98*	*76-129*			

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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 P1H0287 - 3550C MS										
Blank (P1H0287-BLK1)				Prepared & Analyzed: 08/15/11						
1,2,4-Trichlorobenzene	BRL	330	ug/kg wet							
1,2-Dichlorobenzene	BRL	330	ug/kg wet							
1,3-Dichlorobenzene	BRL	330	ug/kg wet							
1,4-Dichlorobenzene	BRL	330	ug/kg wet							
2,4,5-Trichlorophenol	BRL	330	ug/kg wet							
2,4,6-Trichlorophenol	BRL	330	ug/kg wet							
2,4-Dichlorophenol	BRL	330	ug/kg wet							
2,4-Dimethylphenol	BRL	330	ug/kg wet							
2,4-Dinitrophenol	BRL	330	ug/kg wet							
2,4-Dinitrotoluene	BRL	330	ug/kg wet							
2,6-Dinitrotoluene	BRL	330	ug/kg wet							
2-Chloronaphthalene	BRL	330	ug/kg wet							
2-Chlorophenol	BRL	330	ug/kg wet							
2-Methylnaphthalene	BRL	330	ug/kg wet							
2-Methylphenol	BRL	330	ug/kg wet							
2-Nitroaniline	BRL	330	ug/kg wet							
2-Nitrophenol	BRL	330	ug/kg wet							
3,3'-Dichlorobenzidine	BRL	330	ug/kg wet							
3/4-Methylphenol	BRL	330	ug/kg wet							
3-Nitroaniline	BRL	330	ug/kg wet							
4,6-Dinitro-2-methylphenol	BRL	330	ug/kg wet							
4-Bromophenyl phenyl ether	BRL	330	ug/kg wet							
4-Chloro-3-methylphenol	BRL	330	ug/kg wet							
4-Chloroaniline	BRL	330	ug/kg wet							
4-Chlorophenyl phenyl ether	BRL	330	ug/kg wet							
4-Nitroaniline	BRL	330	ug/kg wet							
4-Nitrophenol	BRL	330	ug/kg wet							
Acenaphthene	BRL	330	ug/kg wet							
Acenaphthylene	BRL	330	ug/kg wet							
Aniline	BRL	330	ug/kg wet							
Anthracene	BRL	330	ug/kg wet							
Azobenzene	BRL	330	ug/kg wet							
Benzo(a)anthracene	BRL	330	ug/kg wet							
Benzo(a)pyrene	BRL	330	ug/kg wet							
Benzo(b)fluoranthene	BRL	330	ug/kg wet							
Benzo(g,h,i)perylene	BRL	330	ug/kg wet							
Benzo(k)fluoranthene	BRL	330	ug/kg wet							
Benzoic Acid	BRL	330	ug/kg wet							
Benzyl alcohol	BRL	330	ug/kg wet							
bis(2-Chloroethoxy)methane	BRL	330	ug/kg wet							
Bis(2-Chloroethyl)ether	BRL	330	ug/kg wet							
Bis(2-chloroisopropyl)ether	BRL	330	ug/kg wet							
Bis(2-Ethylhexyl)phthalate	BRL	330	ug/kg wet							
Butyl benzyl phthalate	BRL	330	ug/kg wet							
Chrysene	BRL	330	ug/kg wet							
Dibenzo(a,h)anthracene	BRL	330	ug/kg wet							

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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 P1H0287 - 3550C MS										
Blank (P1H0287-BLK1)				Prepared & Analyzed: 08/15/11						
Dibenzofuran	BRL	330	ug/kg wet							
Diethyl phthalate	BRL	330	ug/kg wet							
Dimethyl phthalate	BRL	330	ug/kg wet							
Di-n-butyl phthalate	BRL	330	ug/kg wet							
Di-n-octyl phthalate	BRL	330	ug/kg wet							
Fluoranthene	BRL	330	ug/kg wet							
Fluorene	BRL	330	ug/kg wet							
Hexachlorobenzene	BRL	330	ug/kg wet							
Hexachlorobutadiene	BRL	330	ug/kg wet							
Hexachlorocyclopentadiene	BRL	330	ug/kg wet							
Hexachloroethane	BRL	330	ug/kg wet							
Indeno(1,2,3-cd)pyrene	BRL	330	ug/kg wet							
Isophorone	BRL	330	ug/kg wet							
Naphthalene	BRL	330	ug/kg wet							
Nitrobenzene	BRL	330	ug/kg wet							
N-Nitroso-di-n-propylamine	BRL	330	ug/kg wet							
N-Nitrosodiphenylamine	BRL	330	ug/kg wet							
Pentachlorophenol	BRL	330	ug/kg wet							
Phenanthrene	BRL	330	ug/kg wet							
Phenol	BRL	330	ug/kg wet							
Pyrene	BRL	330	ug/kg wet							
Surrogate: 2,4,6-Tribromophenol	*3300*		*ug/kg wet*	*3330*		*99*	*34-134*			
Surrogate: 2-Fluorobiphenyl	*1730*		*ug/kg wet*	*1670*		*104*	*17-122*			
Surrogate: 2-Fluorophenol	*2990*		*ug/kg wet*	*3330*		*90*	*13-108*			
Surrogate: Nitrobenzene-d5	*1430*		*ug/kg wet*	*1670*		*86*	*11-118*			
Surrogate: Phenol-d5	*2940*		*ug/kg wet*	*3330*		*88*	*23-109*			
Surrogate: Terphenyl-d14	*1190*		*ug/kg wet*	*1670*		*72*	*41-156*			

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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 P1H0287 - 3550C MS										
LCS (P1H0287-BS1)				Prepared & Analyzed: 08/15/11						
1,2,4-Trichlorobenzene	1510	330	ug/kg wet	1660		91	35-95			
1,2-Dichlorobenzene	1500	330	ug/kg wet	1660		90	34-94			
1,3-Dichlorobenzene	1530	330	ug/kg wet	1660		92	31-92			
1,4-Dichlorobenzene	1510	330	ug/kg wet	1660		91	33-92			
2,4,5-Trichlorophenol	1830	330	ug/kg wet	1660		110	49-109			L1
2,4,6-Trichlorophenol	1740	330	ug/kg wet	1660		105	43-110			
2,4-Dichlorophenol	1650	330	ug/kg wet	1660		99	37-103			
2,4-Dimethylphenol	1640	330	ug/kg wet	1660		99	39-105			
2,4-Dinitrophenol	1170	330	ug/kg wet	1660		71	28-129			
2,4-Dinitrotoluene	1720	330	ug/kg wet	1660		103	59-115			
2,6-Dinitrotoluene	1590	330	ug/kg wet	1660		95	52-120			
2-Chloronaphthalene	1980	330	ug/kg wet	1660		119	41-104			LH
2-Chlorophenol	1580	330	ug/kg wet	1660		95	35-98			
2-Methylnaphthalene	1670	330	ug/kg wet	1660		100	31-106			
2-Methylphenol	1630	330	ug/kg wet	1660		98	32-108			
2-Nitroaniline	1480	330	ug/kg wet	1660		89	45-135			
2-Nitrophenol	1610	330	ug/kg wet	1660		97	35-100			
3,3'-Dichlorobenzidine	2360	330	ug/kg wet	1660		142	10-200			
3/4-Methylphenol	1720	330	ug/kg wet	1660		103	36-103			LH
3-Nitroaniline	1680	330	ug/kg wet	1660		101	45-135			
4,6-Dinitro-2-methylphenol	1760	330	ug/kg wet	1660		106	44-124			
4-Bromophenyl phenyl ether	1820	330	ug/kg wet	1660		110	44-119			
4-Chloro-3-methylphenol	1910	330	ug/kg wet	1660		115	48-106			LH
4-Chloroaniline	1690	330	ug/kg wet	1660		101	45-103			
4-Chlorophenyl phenyl ether	1850	330	ug/kg wet	1660		111	53-109			LH
4-Nitroaniline	1840	330	ug/kg wet	1660		111	45-135			
4-Nitrophenol	1910	330	ug/kg wet	1660		115	40-124			
Acenaphthene	1740	330	ug/kg wet	1660		105	47-106			
Acenaphthylene	1790	330	ug/kg wet	1660		108	47-113			
Aniline	1960	330	ug/kg wet	1660		118	20-150			
Anthracene	1800	330	ug/kg wet	1660		108	57-121			
Azobenzene	1580	330	ug/kg wet	1660		95	49-117			
Benzo(a)anthracene	1760	330	ug/kg wet	1660		106	55-123			
Benzo(a)pyrene	1770	330	ug/kg wet	1660		107	61-120			
Benzo(b)fluoranthene	1670	330	ug/kg wet	1660		101	52-126			
Benzo(g,h,i)perylene	2300	330	ug/kg wet	1660		139	53-121			LH
Benzo(k)fluoranthene	1430	330	ug/kg wet	1660		86	50-131			
Benzoic Acid	890	330	ug/kg wet	1660		54	10-75			
Benzyl alcohol	1560	330	ug/kg wet	1660		94	35-101			
bis(2-Chloroethoxy)methane	1670	330	ug/kg wet	1660		101	37-106			
Bis(2-Chloroethyl)ether	1540	330	ug/kg wet	1660		92	33-99			
Bis(2-chloroisopropyl)ether	1530	330	ug/kg wet	1660		92	26-106			
Bis(2-Ethylhexyl)phthalate	1470	330	ug/kg wet	1660		88	50-142			
Butyl benzyl phthalate	1350	330	ug/kg wet	1660		81	49-143			
Chrysene	1770	330	ug/kg wet	1660		107	53-126			
Dibenzo(a,h)anthracene	2120	330	ug/kg wet	1660		127	53-124			L1

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
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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 P1H0287 - 3550C MS										
LCS (P1H0287-BS1)				Prepared & Analyzed: 08/15/11						
Dibenzofuran	1750	330	ug/kg wet	1660		106	48-109			
Diethyl phthalate	1630	330	ug/kg wet	1660		98	59-118			
Dimethyl phthalate	1570	330	ug/kg wet	1660		94	58-113			
Di-n-butyl phthalate	1440	330	ug/kg wet	1660		87	51-129			
Di-n-octyl phthalate	1170	330	ug/kg wet	1660		71	49-140			
Fluoranthene	1690	330	ug/kg wet	1660		102	52-122			
Fluorene	1800	330	ug/kg wet	1660		109	52-110			
Hexachlorobenzene	1820	330	ug/kg wet	1660		110	52-117			
Hexachlorobutadiene	1630	330	ug/kg wet	1660		98	35-101			
Hexachlorocyclopentadiene	1750	330	ug/kg wet	1660		105	31-111			
Hexachloroethane	1570	330	ug/kg wet	1660		95	30-93			LH
Indeno(1,2,3-cd)pyrene	2090	330	ug/kg wet	1660		126	40-133			
Isophorone	1500	330	ug/kg wet	1660		90	41-103			
Naphthalene	1610	330	ug/kg wet	1660		97	38-98			
Nitrobenzene	1600	330	ug/kg wet	1660		96	28-110			
N-Nitroso-di-n-propylamine	1420	330	ug/kg wet	1660		86	36-104			
N-Nitrosodiphenylamine	1920	330	ug/kg wet	1660		115	57-134			
Pentachlorophenol	1020	330	ug/kg wet	1660		61	48-136			
Phenanthrene	1780	330	ug/kg wet	1660		107	57-118			
Phenol	1570	330	ug/kg wet	1660		95	27-107			
Pyrene	1270	330	ug/kg wet	1660		77	48-132			
Surrogate: 2,4,6-Tribromophenol	*3920*		*ug/kg wet*	*3330*		*118*	*34-134*			
Surrogate: 2-Fluorobiphenyl	*1740*		*ug/kg wet*	*1660*		*105*	*17-122*			
Surrogate: 2-Fluorophenol	*2970*		*ug/kg wet*	*3330*		*89*	*13-108*			
Surrogate: Nitrobenzene-d5	*1560*		*ug/kg wet*	*1660*		*94*	*11-118*			
Surrogate: Phenol-d5	*2850*		*ug/kg wet*	*3330*		*86*	*23-109*			
Surrogate: Terphenyl-d14	*1270*		*ug/kg wet*	*1660*		*76*	*41-156*			

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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 P1H0287 - 3550C MS										
LCS Dup (P1H0287-BSD1)				Prepared & Analyzed: 08/15/11						
1,2,4-Trichlorobenzene	1570	330	ug/kg wet	1660		94	35-95	4	200	
1,2-Dichlorobenzene	1570	330	ug/kg wet	1660		95	34-94	5	200	L2
1,3-Dichlorobenzene	1550	330	ug/kg wet	1660		94	31-92	2	200	L2
1,4-Dichlorobenzene	1590	330	ug/kg wet	1660		96	33-92	5	200	L2
2,4,5-Trichlorophenol	1800	330	ug/kg wet	1660		109	49-109	1	200	
2,4,6-Trichlorophenol	1720	330	ug/kg wet	1660		104	43-110	1	200	
2,4-Dichlorophenol	1710	330	ug/kg wet	1660		103	37-103	3	200	L2
2,4-Dimethylphenol	1690	330	ug/kg wet	1660		102	39-105	3	200	
2,4-Dinitrophenol	1250	330	ug/kg wet	1660		75	28-129	6	200	
2,4-Dinitrotoluene	1700	330	ug/kg wet	1660		103	59-115	1	200	
2,6-Dinitrotoluene	1560	330	ug/kg wet	1660		94	52-120	1	200	
2-Chloronaphthalene	1990	330	ug/kg wet	1660		120	41-104	0.6	200	LH
2-Chlorophenol	1650	330	ug/kg wet	1660		99	35-98	4	200	L2
2-Methylnaphthalene	1740	330	ug/kg wet	1660		105	31-106	4	200	
2-Methylphenol	1680	330	ug/kg wet	1660		101	32-108	3	200	
2-Nitroaniline	1530	330	ug/kg wet	1660		92	45-135	3	200	
2-Nitrophenol	1680	330	ug/kg wet	1660		101	35-100	4	200	L2
3,3'-Dichlorobenzidine	2090	330	ug/kg wet	1660		126	10-200	12	200	
3/4-Methylphenol	1800	330	ug/kg wet	1660		109	36-103	5	200	LH
3-Nitroaniline	1640	330	ug/kg wet	1660		99	45-135	2	200	
4,6-Dinitro-2-methylphenol	1880	330	ug/kg wet	1660		114	44-124	7	200	
4-Bromophenyl phenyl ether	1850	330	ug/kg wet	1660		112	44-119	1	200	
4-Chloro-3-methylphenol	1920	330	ug/kg wet	1660		116	48-106	1	200	LH
4-Chloroaniline	1720	330	ug/kg wet	1660		104	45-103	2	200	L2
4-Chlorophenyl phenyl ether	1870	330	ug/kg wet	1660		113	53-109	1	200	LH
4-Nitroaniline	1740	330	ug/kg wet	1660		105	45-135	5	200	
4-Nitrophenol	1810	330	ug/kg wet	1660		109	40-124	6	200	
Acenaphthene	1800	330	ug/kg wet	1660		108	47-106	3	200	L2
Acenaphthylene	1830	330	ug/kg wet	1660		110	47-113	2	200	
Aniline	2030	330	ug/kg wet	1660		123	20-150	4	200	
Anthracene	1880	330	ug/kg wet	1660		113	57-121	4	200	
Azobenzene	1740	330	ug/kg wet	1660		105	49-117	10	200	
Benzo(a)anthracene	1720	330	ug/kg wet	1660		104	55-123	2	200	
Benzo(a)pyrene	1820	330	ug/kg wet	1660		110	61-120	3	200	
Benzo(b)fluoranthene	1870	330	ug/kg wet	1660		113	52-126	11	200	
Benzo(g,h,i)perylene	2160	330	ug/kg wet	1660		130	53-121	7	200	LH
Benzo(k)fluoranthene	1580	330	ug/kg wet	1660		95	50-131	10	200	
Benzoic Acid	837	330	ug/kg wet	1660		51	10-75	6	200	
Benzyl alcohol	1590	330	ug/kg wet	1660		96	35-101	2	200	
bis(2-Chloroethoxy)methane	1750	330	ug/kg wet	1660		105	37-106	4	200	
Bis(2-Chloroethyl)ether	1610	330	ug/kg wet	1660		97	33-99	5	200	
Bis(2-chloroisopropyl)ether	1600	330	ug/kg wet	1660		96	26-106	4	200	
Bis(2-Ethylhexyl)phthalate	1400	330	ug/kg wet	1660		85	50-142	4	200	
Butyl benzyl phthalate	1400	330	ug/kg wet	1660		84	49-143	3	200	
Chrysene	1730	330	ug/kg wet	1660		104	53-126	2	200	
Dibenzo(a,h)anthracene	1880	330	ug/kg wet	1660		114	53-124	12	200	

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

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0287 - 3550C MS										
LCS Dup (P1H0287-BSD1)				Prepared & Analyzed: 08/15/11						
Dibenzofuran	1790	330	ug/kg wet	1660		108	48-109	2	200	
Diethyl phthalate	1620	330	ug/kg wet	1660		98	59-118	0.5	200	
Dimethyl phthalate	1590	330	ug/kg wet	1660		96	58-113	1	200	
Di-n-butyl phthalate	1480	330	ug/kg wet	1660		90	51-129	3	200	
Di-n-octyl phthalate	1310	330	ug/kg wet	1660		79	49-140	11	200	
Fluoranthene	1650	330	ug/kg wet	1660		99	52-122	3	200	
Fluorene	1810	330	ug/kg wet	1660		109	52-110	0.5	200	
Hexachlorobenzene	1860	330	ug/kg wet	1660		112	52-117	2	200	
Hexachlorobutadiene	1670	330	ug/kg wet	1660		101	35-101	3	200	
Hexachlorocyclopentadiene	1780	330	ug/kg wet	1660		108	31-111	2	200	
Hexachloroethane	1650	330	ug/kg wet	1660		99	30-93	5	200	LH
Indeno(1,2,3-cd)pyrene	1920	330	ug/kg wet	1660		116	40-133	8	200	
Isophorone	1530	330	ug/kg wet	1660		92	41-103	2	200	
Naphthalene	1680	330	ug/kg wet	1660		101	38-98	4	200	L2
Nitrobenzene	1740	330	ug/kg wet	1660		105	28-110	8	200	
N-Nitroso-di-n-propylamine	1510	330	ug/kg wet	1660		91	36-104	6	200	
N-Nitrosodiphenylamine	2000	330	ug/kg wet	1660		121	57-134	4	200	
Pentachlorophenol	986	330	ug/kg wet	1660		59	48-136	4	200	
Phenanthrene	1840	330	ug/kg wet	1660		111	57-118	3	200	
Phenol	1670	330	ug/kg wet	1660		100	27-107	6	200	
Pyrene	1490	330	ug/kg wet	1660		90	48-132	15	200	
Surrogate: 2,4,6-Tribromophenol	*3570*		*ug/kg wet*	*3310*		*108*	*34-134*			
Surrogate: 2-Fluorobiphenyl	*1760*		*ug/kg wet*	*1660*		*106*	*17-122*			
Surrogate: 2-Fluorophenol	*3050*		*ug/kg wet*	*3310*		*92*	*13-108*			
Surrogate: Nitrobenzene-d5	*1630*		*ug/kg wet*	*1660*		*98*	*11-118*			
Surrogate: Phenol-d5	*2860*		*ug/kg wet*	*3310*		*86*	*23-109*			
Surrogate: Terphenyl-d14	*1380*		*ug/kg wet*	*1660*		*83*	*41-156*			

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Batch P1H0287 - 3550C MS

Matrix Spike (P1H0287-MS1) **Source: 1080358-02** Prepared & Analyzed: 08/15/11

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1950	470	ug/kg dry	2360	BRL	82	25-104			
1,2-Dichlorobenzene	1870	470	ug/kg dry	2360	BRL	79	22-103			
1,3-Dichlorobenzene	1810	470	ug/kg dry	2360	BRL	76	18-101			
1,4-Dichlorobenzene	1860	470	ug/kg dry	2360	BRL	78	14-108			
2,4,5-Trichlorophenol	2630	470	ug/kg dry	2360	BRL	111	45-121			
2,4,6-Trichlorophenol	2420	470	ug/kg dry	2360	BRL	102	44-115			
2,4-Dichlorophenol	2300	470	ug/kg dry	2360	BRL	97	26-120			
2,4-Dimethylphenol	2270	470	ug/kg dry	2360	BRL	96	33-113			
2,4-Dinitrophenol	2360	470	ug/kg dry	2360	BRL	100	14-148			
2,4-Dinitrotoluene	2430	470	ug/kg dry	2360	BRL	103	49-134			
2,6-Dinitrotoluene	2110	470	ug/kg dry	2360	BRL	89	44-131			
2-Chloronaphthalene	2670	470	ug/kg dry	2360	BRL	113	38-112			M
2-Chlorophenol	2090	470	ug/kg dry	2360	BRL	88	26-108			
2-Methylnaphthalene	2300	470	ug/kg dry	2360	BRL	97	12-128			
2-Methylphenol	2260	470	ug/kg dry	2360	BRL	96	26-116			
2-Nitroaniline	2130	470	ug/kg dry	2360	BRL	90	45-135			
2-Nitrophenol	2180	470	ug/kg dry	2360	BRL	92	20-119			
3,3'-Dichlorobenzidine	1220	470	ug/kg dry	2360	BRL	52	10-191			
3/4-Methylphenol	2420	470	ug/kg dry	2360	BRL	102	28-116			
3-Nitroaniline	2160	470	ug/kg dry	2360	BRL	91	45-135			
4,6-Dinitro-2-methylphenol	2930	470	ug/kg dry	2360	BRL	124	30-148			
4-Bromophenyl phenyl ether	2710	470	ug/kg dry	2360	BRL	115	43-126			
4-Chloro-3-methylphenol	2820	470	ug/kg dry	2360	BRL	119	41-120			
4-Chloroaniline	1940	470	ug/kg dry	2360	BRL	82	35-115			
4-Chlorophenyl phenyl ether	2580	470	ug/kg dry	2360	BRL	109	45-123			
4-Nitroaniline	2100	470	ug/kg dry	2360	BRL	89	45-135			
4-Nitrophenol	2470	470	ug/kg dry	2360	BRL	105	33-136			
Acenaphthene	2410	470	ug/kg dry	2360	BRL	102	46-115			
Acenaphthylene	2450	470	ug/kg dry	2360	BRL	104	40-125			
Aniline	2210	470	ug/kg dry	2360	BRL	93	20-150			
Anthracene	2500	470	ug/kg dry	2360	BRL	106	56-127			
Azobenzene	2460	470	ug/kg dry	2360	BRL	104	49-123			
Benzo(a)anthracene	2400	470	ug/kg dry	2360	BRL	101	50-134			
Benzo(a)pyrene	2510	470	ug/kg dry	2360	BRL	106	59-129			
Benzo(b)fluoranthene	2570	470	ug/kg dry	2360	BRL	109	46-141			
Benzo(g,h,i)perylene	2270	470	ug/kg dry	2360	BRL	96	47-136			
Benzo(k)fluoranthene	2020	470	ug/kg dry	2360	BRL	85	36-151			
Benzoic Acid	2140	470	ug/kg dry	2360	BRL	91	10-122			
Benzyl alcohol	2140	470	ug/kg dry	2360	BRL	91	29-112			
bis(2-Chloroethoxy)methane	2220	470	ug/kg dry	2360	BRL	94	31-119			
Bis(2-Chloroethyl)ether	2010	470	ug/kg dry	2360	BRL	85	23-111			
Bis(2-chloroisopropyl)ether	1980	470	ug/kg dry	2360	BRL	84	22-109			
Bis(2-Ethylhexyl)phthalate	2150	470	ug/kg dry	2360	BRL	91	45-153			
Butyl benzyl phthalate	2290	470	ug/kg dry	2360	BRL	97	43-156			
Chrysene	2320	470	ug/kg dry	2360	BRL	98	46-140			
Dibenzo(a,h)anthracene	2150	470	ug/kg dry	2360	BRL	91	43-141			

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

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0287 - 3550C MS										
Matrix Spike (P1H0287-MS1)		**Source: 1080358-02**		Prepared & Analyzed: 08/15/11						
Dibenzofuran	2460	470	ug/kg dry	2360	BRL	104	45-121			
Diethyl phthalate	2150	470	ug/kg dry	2360	BRL	91	53-128			
Dimethyl phthalate	2100	470	ug/kg dry	2360	BRL	89	54-123			
Di-n-butyl phthalate	1870	470	ug/kg dry	2360	BRL	79	44-137			
Di-n-octyl phthalate	2000	470	ug/kg dry	2360	BRL	85	45-151			
Fluoranthene	1790	470	ug/kg dry	2360	BRL	76	37-140			
Fluorene	2530	470	ug/kg dry	2360	BRL	107	49-119			
Hexachlorobenzene	2590	470	ug/kg dry	2360	BRL	110	47-128			
Hexachlorobutadiene	2080	470	ug/kg dry	2360	BRL	88	24-107			
Hexachlorocyclopentadiene	1260	470	ug/kg dry	2360	BRL	53	20-121			
Hexachloroethane	1880	470	ug/kg dry	2360	BRL	79	17-102			
Indeno(1,2,3-cd)pyrene	2220	470	ug/kg dry	2360	BRL	94	27-156			
Isophorone	1960	470	ug/kg dry	2360	BRL	83	22-130			
Naphthalene	2080	470	ug/kg dry	2360	BRL	88	27-111			
Nitrobenzene	2170	470	ug/kg dry	2360	BRL	92	23-120			
N-Nitroso-di-n-propylamine	1930	470	ug/kg dry	2360	BRL	82	27-120			
N-Nitrosodiphenylamine	2810	470	ug/kg dry	2360	BRL	119	46-153			
Pentachlorophenol	1280	470	ug/kg dry	2360	BRL	54	36-155			
Phenanthrene	2470	470	ug/kg dry	2360	BRL	105	48-137			
Phenol	2180	470	ug/kg dry	2360	BRL	92	23-115			
Pyrene	2210	470	ug/kg dry	2360	BRL	93	43-146			
Surrogate: 2,4,6-Tribromophenol	*5180*		*ug/kg dry*	*4730*		*109*	*34-134*			
Surrogate: 2-Fluorobiphenyl	*2220*		*ug/kg dry*	*2360*		*94*	*17-122*			
Surrogate: 2-Fluorophenol	*3680*		*ug/kg dry*	*4730*		*78*	*13-108*			
Surrogate: Nitrobenzene-d5	*2000*		*ug/kg dry*	*2360*		*85*	*11-118*			
Surrogate: Phenol-d5	*3740*		*ug/kg dry*	*4730*		*79*	*23-109*			
Surrogate: Terphenyl-d14	*2060*		*ug/kg dry*	*2360*		*87*	*41-156*			

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0287 - 3550C MS										
Matrix Spike Dup (P1H0287-MSD1)		**Source: 1080358-02**		Prepared & Analyzed: 08/15/11						
1,2,4-Trichlorobenzene	1680	470	ug/kg dry	2360	BRL	71	25-104	15	46	
1,2-Dichlorobenzene	1580	470	ug/kg dry	2360	BRL	67	22-103	17	49	
1,3-Dichlorobenzene	1550	470	ug/kg dry	2360	BRL	66	18-101	15	55	
1,4-Dichlorobenzene	1560	470	ug/kg dry	2360	BRL	66	14-108	17	50	
2,4,5-Trichlorophenol	2710	470	ug/kg dry	2360	BRL	115	45-121	3	35	
2,4,6-Trichlorophenol	2450	470	ug/kg dry	2360	BRL	104	44-115	1	35	
2,4-Dichlorophenol	2150	470	ug/kg dry	2360	BRL	91	26-120	7	45	
2,4-Dimethylphenol	2090	470	ug/kg dry	2360	BRL	89	33-113	8	47	
2,4-Dinitrophenol	2390	470	ug/kg dry	2360	BRL	101	14-148	1	39	
2,4-Dinitrotoluene	2490	470	ug/kg dry	2360	BRL	106	49-134	2	28	
2,6-Dinitrotoluene	2170	470	ug/kg dry	2360	BRL	92	44-131	3	31	
2-Chloronaphthalene	2540	470	ug/kg dry	2360	BRL	108	38-112	5	37	
2-Chlorophenol	1830	470	ug/kg dry	2360	BRL	77	26-108	13	51	
2-Methylnaphthalene	2040	470	ug/kg dry	2360	BRL	86	12-128	12	48	
2-Methylphenol	2050	470	ug/kg dry	2360	BRL	87	26-116	10	48	
2-Nitroaniline	2160	470	ug/kg dry	2360	BRL	91	45-135	1	60	
2-Nitrophenol	1880	470	ug/kg dry	2360	BRL	80	20-119	15	44	
3,3'-Dichlorobenzidine	793	470	ug/kg dry	2360	BRL	34	10-191	43	35	D
3/4-Methylphenol	2220	470	ug/kg dry	2360	BRL	94	28-116	9	45	
3-Nitroaniline	2080	470	ug/kg dry	2360	BRL	88	45-135	4	60	
4,6-Dinitro-2-methylphenol	3120	470	ug/kg dry	2360	BRL	132	30-148	7	27	
4-Bromophenyl phenyl ether	2870	470	ug/kg dry	2360	BRL	121	43-126	6	26	
4-Chloro-3-methylphenol	2820	470	ug/kg dry	2360	BRL	119	41-120	0.1	35	
4-Chloroaniline	1780	470	ug/kg dry	2360	BRL	76	35-115	9	41	
4-Chlorophenyl phenyl ether	2580	470	ug/kg dry	2360	BRL	109	45-123	0.08	30	
4-Nitroaniline	1840	470	ug/kg dry	2360	BRL	78	45-135	13	60	
4-Nitrophenol	2260	470	ug/kg dry	2360	BRL	96	33-136	9	31	
Acenaphthene	2300	470	ug/kg dry	2360	BRL	97	46-115	5	35	
Acenaphthylene	2350	470	ug/kg dry	2360	BRL	99	40-125	4	35	
Aniline	1920	470	ug/kg dry	2360	BRL	81	20-150	14	60	
Anthracene	2540	470	ug/kg dry	2360	BRL	108	56-127	2	26	
Azobenzene	2710	470	ug/kg dry	2360	BRL	115	49-123	10	30	
Benzo(a)anthracene	2520	470	ug/kg dry	2360	BRL	107	50-134	5	25	
Benzo(a)pyrene	2580	470	ug/kg dry	2360	BRL	109	59-129	3	22	
Benzo(b)fluoranthene	2400	470	ug/kg dry	2360	BRL	102	46-141	7	33	
Benzo(g,h,i)perylene	3020	470	ug/kg dry	2360	BRL	128	47-136	28	26	D
Benzo(k)fluoranthene	2280	470	ug/kg dry	2360	BRL	96	36-151	12	38	
Benzoic Acid	2010	470	ug/kg dry	2360	BRL	85	10-122	7	60	
Benzyl alcohol	1930	470	ug/kg dry	2360	BRL	82	29-112	10	43	
bis(2-Chloroethoxy)methane	1980	470	ug/kg dry	2360	BRL	84	31-119	11	46	
Bis(2-Chloroethyl)ether	1740	470	ug/kg dry	2360	BRL	74	23-111	14	54	
Bis(2-chloroisopropyl)ether	1720	470	ug/kg dry	2360	BRL	73	22-109	14	50	
Bis(2-Ethylhexyl)phthalate	2310	470	ug/kg dry	2360	BRL	98	45-153	7	26	
Butyl benzyl phthalate	2360	470	ug/kg dry	2360	BRL	100	43-156	3	22	
Chrysene	2470	470	ug/kg dry	2360	BRL	104	46-140	6	32	
Dibenzo(a,h)anthracene	2730	470	ug/kg dry	2360	BRL	116	43-141	24	25	

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Project: PPA-040

Project No: PPA-040

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Time Submitted: 8/15/11 7:40:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0287 - 3550C MS										
Matrix Spike Dup (P1H0287-MSD1)		**Source: 1080358-02**		Prepared & Analyzed: 08/15/11						
Dibenzofuran	2390	470	ug/kg dry	2360	BRL	101	45-121	3	36	
Diethyl phthalate	2160	470	ug/kg dry	2360	BRL	91	53-128	0.2	20	
Dimethyl phthalate	2090	470	ug/kg dry	2360	BRL	88	54-123	0.7	24	
Di-n-butyl phthalate	1800	470	ug/kg dry	2360	BRL	76	44-137	4	33	
Di-n-octyl phthalate	1960	470	ug/kg dry	2360	BRL	83	45-151	2	25	
Fluoranthene	1630	470	ug/kg dry	2360	BRL	69	37-140	9	35	
Fluorene	2530	470	ug/kg dry	2360	BRL	107	49-119	0.02	31	
Hexachlorobenzene	2830	470	ug/kg dry	2360	BRL	120	47-128	9	23	
Hexachlorobutadiene	1770	470	ug/kg dry	2360	BRL	75	24-107	17	50	
Hexachlorocyclopentadiene	919	470	ug/kg dry	2360	BRL	39	20-121	31	50	
Hexachloroethane	1630	470	ug/kg dry	2360	BRL	69	17-102	14	50	
Indeno(1,2,3-cd)pyrene	2850	470	ug/kg dry	2360	BRL	120	27-156	25	35	
Isophorone	1780	470	ug/kg dry	2360	BRL	75	22-130	10	37	
Naphthalene	1840	470	ug/kg dry	2360	BRL	78	27-111	12	51	
Nitrobenzene	1880	470	ug/kg dry	2360	BRL	80	23-120	14	43	
N-Nitroso-di-n-propylamine	1720	470	ug/kg dry	2360	BRL	73	27-120	12	47	
N-Nitrosodiphenylamine	3170	470	ug/kg dry	2360	BRL	134	46-153	12	29	
Pentachlorophenol	1290	470	ug/kg dry	2360	BRL	55	36-155	1	31	
Phenanthrene	2620	470	ug/kg dry	2360	BRL	111	48-137	6	32	
Phenol	1930	470	ug/kg dry	2360	BRL	82	23-115	12	56	
Pyrene	2000	470	ug/kg dry	2360	BRL	85	43-146	10	31	
Surrogate: 2,4,6-Tribromophenol	*5150*		*ug/kg dry*	*4720*		*109*	*34-134*			
Surrogate: 2-Fluorobiphenyl	*1980*		*ug/kg dry*	*2360*		*84*	*17-122*			
Surrogate: 2-Fluorophenol	*3070*		*ug/kg dry*	*4720*		*65*	*13-108*			
Surrogate: Nitrobenzene-d5	*1690*		*ug/kg dry*	*2360*		*72*	*11-118*			
Surrogate: Phenol-d5	*3330*		*ug/kg dry*	*4720*		*70*	*23-109*			
Surrogate: Terphenyl-d14	*1930*		*ug/kg dry*	*2360*		*82*	*41-156*			

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

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0309 - 3510C MS										
Blank (P1H0309-BLK1)				Prepared & Analyzed: 08/15/11						
1,2,4-Trichlorobenzene	BRL	10	ug/L							
1,2-Dichlorobenzene	BRL	10	ug/L							
1,3-Dichlorobenzene	BRL	10	ug/L							
1,4-Dichlorobenzene	BRL	10	ug/L							
2,4,5-Trichlorophenol	BRL	10	ug/L							
2,4,6-Trichlorophenol	BRL	10	ug/L							
2,4-Dichlorophenol	BRL	10	ug/L							
2,4-Dimethylphenol	BRL	10	ug/L							
2,4-Dinitrophenol	BRL	10	ug/L							
2,4-Dinitrotoluene	BRL	10	ug/L							
2,6-Dinitrotoluene	BRL	10	ug/L							
2-Chloronaphthalene	BRL	10	ug/L							
2-Chlorophenol	BRL	10	ug/L							
2-Methylnaphthalene	BRL	10	ug/L							
2-Methylphenol	BRL	10	ug/L							
2-Nitroaniline	BRL	10	ug/L							
2-Nitrophenol	BRL	10	ug/L							
3,3'-Dichlorobenzidine	BRL	10	ug/L							
3/4-Methylphenol	BRL	10	ug/L							
3-Nitroaniline	BRL	10	ug/L							
4,6-Dinitro-2-methylphenol	BRL	10	ug/L							
4-Bromophenyl phenyl ether	BRL	10	ug/L							
4-Chloro-3-methylphenol	BRL	10	ug/L							
4-Chloroaniline	BRL	10	ug/L							
4-Chlorophenyl phenyl ether	BRL	10	ug/L							
4-Nitroaniline	BRL	10	ug/L							
4-Nitrophenol	BRL	10	ug/L							
Acenaphthene	BRL	10	ug/L							
Acenaphthylene	BRL	10	ug/L							
Aniline	BRL	10	ug/L							
Anthracene	BRL	10	ug/L							
Azobenzene	BRL	10	ug/L							
Benzo(a)anthracene	BRL	10	ug/L							
Benzo(a)pyrene	BRL	10	ug/L							
Benzo(b)fluoranthene	BRL	10	ug/L							
Benzo(g,h,i)perylene	BRL	10	ug/L							
Benzo(k)fluoranthene	BRL	10	ug/L							
Benzoic Acid	BRL	100	ug/L							
Benzyl alcohol	BRL	10	ug/L							
bis(2-Chloroethoxy)methane	BRL	10	ug/L							
Bis(2-Chloroethyl)ether	BRL	10	ug/L							
Bis(2-chloroisopropyl)ether	BRL	10	ug/L							
Bis(2-Ethylhexyl)phthalate	BRL	10	ug/L							
Butyl benzyl phthalate	BRL	10	ug/L							
Chrysene	BRL	10	ug/L							
Dibenzo(a,h)anthracene	BRL	10	ug/L							

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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 P1H0309 - 3510C MS										
Blank (P1H0309-BLK1)				Prepared & Analyzed: 08/15/11						
Dibenzofuran	BRL	10	ug/L							
Diethyl phthalate	BRL	10	ug/L							
Dimethyl phthalate	BRL	10	ug/L							
Di-n-butyl phthalate	BRL	10	ug/L							
Di-n-octyl phthalate	BRL	10	ug/L							
Fluoranthene	BRL	10	ug/L							
Fluorene	BRL	10	ug/L							
Hexachlorobenzene	BRL	10	ug/L							
Hexachlorobutadiene	BRL	10	ug/L							
Hexachlorocyclopentadiene	BRL	10	ug/L							
Hexachloroethane	BRL	10	ug/L							
Indeno(1,2,3-cd)pyrene	BRL	10	ug/L							
Isophorone	BRL	10	ug/L							
Naphthalene	BRL	10	ug/L							
Nitrobenzene	BRL	10	ug/L							
N-Nitroso-di-n-propylamine	BRL	10	ug/L							
N-Nitrosodiphenylamine	BRL	10	ug/L							
Pentachlorophenol	BRL	10	ug/L							
Phenanthrene	BRL	10	ug/L							
Phenol	BRL	10	ug/L							
Pyrene	BRL	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*88.9*		*ug/L*	*100*		*89*	*26-139*			
Surrogate: 2-Fluorobiphenyl	*41.4*		*ug/L*	*50.0*		*83*	*41-112*			
Surrogate: 2-Fluorophenol	*59.0*		*ug/L*	*100*		*59*	*10-48*			*SR*
Surrogate: Nitrobenzene-d5	*45.9*		*ug/L*	*50.0*		*92*	*34-102*			
Surrogate: Phenol-d5	*33.6*		*ug/L*	*100*		*34*	*10-34*			
Surrogate: Terphenyl-d14	*44.2*		*ug/L*	*50.0*		*88*	*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 P1H0309 - 3510C MS										
LCS (P1H0309-BS1)				Prepared & Analyzed: 08/15/11						
1,2,4-Trichlorobenzene	45.8	10	ug/L	50.0		92	39-102			
1,2-Dichlorobenzene	41.5	10	ug/L	50.0		83	46-90			
1,3-Dichlorobenzene	41.2	10	ug/L	50.0		82	31-100			
1,4-Dichlorobenzene	42.3	10	ug/L	50.0		85	45-89			
2,4,5-Trichlorophenol	57.2	10	ug/L	50.0		114	60-108			L1
2,4,6-Trichlorophenol	55.9	10	ug/L	50.0		112	48-118			
2,4-Dichlorophenol	49.4	10	ug/L	50.0		99	38-107			
2,4-Dimethylphenol	51.2	10	ug/L	50.0		102	26-108			
2,4-Dinitrophenol	62.3	10	ug/L	50.0		125	10-157			
2,4-Dinitrotoluene	50.4	10	ug/L	50.0		101	61-139			
2,6-Dinitrotoluene	49.9	10	ug/L	50.0		100	55-141			
2-Chloronaphthalene	56.2	10	ug/L	50.0		112	46-114			
2-Chlorophenol	46.3	10	ug/L	50.0		93	39-80			LH
2-Methylnaphthalene	47.1	10	ug/L	50.0		94	39-107			
2-Methylphenol	44.4	10	ug/L	50.0		89	24-73			LH
2-Nitroaniline	46.3	10	ug/L	50.0		93	65-123			
2-Nitrophenol	51.6	10	ug/L	50.0		103	40-111			
3,3'-Dichlorobenzidine	52.2	10	ug/L	50.0		104	25-203			
3/4-Methylphenol	42.1	10	ug/L	50.0		84	22-84			L1
3-Nitroaniline	52.2	10	ug/L	50.0		104	66-131			
4,6-Dinitro-2-methylphenol	56.6	10	ug/L	50.0		113	31-155			
4-Bromophenyl phenyl ether	55.4	10	ug/L	50.0		111	50-131			
4-Chloro-3-methylphenol	53.3	10	ug/L	50.0		107	48-94			L1
4-Chloroaniline	50.6	10	ug/L	50.0		101	45-120			
4-Chlorophenyl phenyl ether	57.6	10	ug/L	50.0		115	55-125			
4-Nitroaniline	57.7	10	ug/L	50.0		115	63-138			
4-Nitrophenol	27.9	10	ug/L	50.0		56	10-89			
Acenaphthene	50.8	10	ug/L	50.0		102	53-118			
Acenaphthylene	50.8	10	ug/L	50.0		102	52-121			
Aniline	54.2	10	ug/L	50.0		108	24-105			L1
Anthracene	50.5	10	ug/L	50.0		101	59-138			
Azobenzene	51.4	10	ug/L	50.0		103	65-123			
Benzo(a)anthracene	50.6	10	ug/L	50.0		101	63-138			
Benzo(a)pyrene	57.4	10	ug/L	50.0		115	67-142			
Benzo(b)fluoranthene	56.5	10	ug/L	50.0		113	58-151			
Benzo(g,h,i)perylene	53.1	10	ug/L	50.0		106	47-151			
Benzo(k)fluoranthene	56.6	10	ug/L	50.0		113	45-155			
Benzoic Acid	BRL	100	ug/L	50.0			10-125			P
Benzyl alcohol	40.1	10	ug/L	50.0		80	25-77			L1
bis(2-Chloroethoxy)methane	46.3	10	ug/L	50.0		93	42-119			
Bis(2-Chloroethyl)ether	43.7	10	ug/L	50.0		87	38-109			
Bis(2-chloroisopropyl)ether	45.2	10	ug/L	50.0		90	31-117			
Bis(2-Ethylhexyl)phthalate	44.2	10	ug/L	50.0		88	52-165			
Butyl benzyl phthalate	45.2	10	ug/L	50.0		90	51-162			
Chrysene	54.0	10	ug/L	50.0		108	59-137			
Dibenzo(a,h)anthracene	54.6	10	ug/L	50.0		109	43-161			

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

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0309 - 3510C MS										
LCS (P1H0309-BS1)				Prepared & Analyzed: 08/15/11						
Dibenzofuran	51.0	10	ug/L	50.0		102	63-115			
Diethyl phthalate	49.4	10	ug/L	50.0		99	54-135			
Dimethyl phthalate	47.5	10	ug/L	50.0		95	46-135			
Di-n-butyl phthalate	40.8	10	ug/L	50.0		82	51-142			
Di-n-octyl phthalate	48.9	10	ug/L	50.0		98	54-160			
Fluoranthene	50.2	10	ug/L	50.0		100	52-137			
Fluorene	54.6	10	ug/L	50.0		109	56-122			
Hexachlorobenzene	52.6	10	ug/L	50.0		105	57-129			
Hexachlorobutadiene	48.8	10	ug/L	50.0		98	34-110			
Hexachlorocyclopentadiene	54.2	10	ug/L	50.0		108	27-120			
Hexachloroethane	43.5	10	ug/L	50.0		87	37-98			
Indeno(1,2,3-cd)pyrene	53.3	10	ug/L	50.0		107	24-172			
Isophorone	44.3	10	ug/L	50.0		89	44-117			
Naphthalene	47.4	10	ug/L	50.0		95	37-108			
Nitrobenzene	45.7	10	ug/L	50.0		91	29-120			
N-Nitroso-di-n-propylamine	43.1	10	ug/L	50.0		86	42-115			
N-Nitrosodiphenylamine	55.7	10	ug/L	50.0		111	69-142			
Pentachlorophenol	54.6	10	ug/L	50.0		109	42-156			
Phenanthrene	51.4	10	ug/L	50.0		103	60-133			
Phenol	20.2	10	ug/L	50.0		40	10-47			
Pyrene	55.0	10	ug/L	50.0		110	50-152			
Surrogate: 2,4,6-Tribromophenol	*104*		*ug/L*	*100*		*104*	*26-139*			
Surrogate: 2-Fluorobiphenyl	*53.2*		*ug/L*	*50.0*		*106*	*41-112*			
Surrogate: 2-Fluorophenol	*62.7*		*ug/L*	*100*		*63*	*10-48*			*SR*
Surrogate: Nitrobenzene-d5	*50.8*		*ug/L*	*50.0*		*102*	*34-102*			
Surrogate: Phenol-d5	*37.8*		*ug/L*	*100*		*38*	*10-34*			*SR*
Surrogate: Terphenyl-d14	*53.4*		*ug/L*	*50.0*		*107*	*31-165*			

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
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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 P1H0309 - 3510C MS										
LCS Dup (P1H0309-BSD1)				Prepared & Analyzed: 08/15/11						
1,2,4-Trichlorobenzene	38.4	10	ug/L	50.0		77	39-102	18	200	
1,2-Dichlorobenzene	34.2	10	ug/L	50.0		68	46-90	19	200	
1,3-Dichlorobenzene	34.6	10	ug/L	50.0		69	31-100	17	200	
1,4-Dichlorobenzene	37.5	10	ug/L	50.0		75	45-89	12	200	
2,4,5-Trichlorophenol	48.1	10	ug/L	50.0		96	60-108	17	200	
2,4,6-Trichlorophenol	48.0	10	ug/L	50.0		96	48-118	15	200	
2,4-Dichlorophenol	41.8	10	ug/L	50.0		84	38-107	16	200	
2,4-Dimethylphenol	45.2	10	ug/L	50.0		90	26-108	12	200	
2,4-Dinitrophenol	43.5	10	ug/L	50.0		87	10-157	36	200	
2,4-Dinitrotoluene	43.0	10	ug/L	50.0		86	61-139	16	200	
2,6-Dinitrotoluene	40.7	10	ug/L	50.0		81	55-141	20	200	
2-Chloronaphthalene	45.7	10	ug/L	50.0		91	46-114	21	200	
2-Chlorophenol	40.4	10	ug/L	50.0		81	39-80	14	200	LH
2-Methylnaphthalene	38.3	10	ug/L	50.0		77	39-107	21	200	
2-Methylphenol	39.5	10	ug/L	50.0		79	24-73	12	200	LH
2-Nitroaniline	39.0	10	ug/L	50.0		78	65-123	17	200	
2-Nitrophenol	44.9	10	ug/L	50.0		90	40-111	14	200	
3,3'-Dichlorobenzidine	49.6	10	ug/L	50.0		99	25-203	5	200	
3/4-Methylphenol	36.2	10	ug/L	50.0		72	22-84	15	200	
3-Nitroaniline	42.5	10	ug/L	50.0		85	66-131	21	200	
4,6-Dinitro-2-methylphenol	49.0	10	ug/L	50.0		98	31-155	14	200	
4-Bromophenyl phenyl ether	49.1	10	ug/L	50.0		98	50-131	12	200	
4-Chloro-3-methylphenol	46.6	10	ug/L	50.0		93	48-94	14	200	
4-Chloroaniline	44.6	10	ug/L	50.0		89	45-120	13	200	
4-Chlorophenyl phenyl ether	46.3	10	ug/L	50.0		93	55-125	22	200	
4-Nitroaniline	46.7	10	ug/L	50.0		93	63-138	21	200	
4-Nitrophenol	21.4	10	ug/L	50.0		43	10-89	26	200	
Acenaphthene	41.6	10	ug/L	50.0		83	53-118	20	200	
Acenaphthylene	43.5	10	ug/L	50.0		87	52-121	16	200	
Aniline	48.8	10	ug/L	50.0		98	24-105	10	200	
Anthracene	44.6	10	ug/L	50.0		89	59-138	12	200	
Azobenzene	43.5	10	ug/L	50.0		87	65-123	17	200	
Benzo(a)anthracene	49.3	10	ug/L	50.0		99	63-138	3	200	
Benzo(a)pyrene	49.4	10	ug/L	50.0		99	67-142	15	200	
Benzo(b)fluoranthene	46.7	10	ug/L	50.0		93	58-151	19	200	
Benzo(g,h,i)perylene	46.8	10	ug/L	50.0		94	47-151	13	200	
Benzo(k)fluoranthene	49.4	10	ug/L	50.0		99	45-155	13	200	
Benzoic Acid	BRL	100	ug/L	50.0			10-125		200	P
Benzyl alcohol	34.2	10	ug/L	50.0		68	25-77	16	200	
bis(2-Chloroethoxy)methane	41.0	10	ug/L	50.0		82	42-119	12	200	
Bis(2-Chloroethyl)ether	39.3	10	ug/L	50.0		79	38-109	10	200	
Bis(2-chloroisopropyl)ether	39.0	10	ug/L	50.0		78	31-117	15	200	
Bis(2-Ethylhexyl)phthalate	41.5	10	ug/L	50.0		83	52-165	6	200	
Butyl benzyl phthalate	42.8	10	ug/L	50.0		86	51-162	6	200	
Chrysene	49.4	10	ug/L	50.0		99	59-137	9	200	
Dibenzo(a,h)anthracene	46.9	10	ug/L	50.0		94	43-161	15	200	

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0309 - 3510C MS										
LCS Dup (P1H0309-BSD1)				Prepared & Analyzed: 08/15/11						
Dibenzofuran	42.3	10	ug/L	50.0		85	63-115	19	200	
Diethyl phthalate	40.5	10	ug/L	50.0		81	54-135	20	200	
Dimethyl phthalate	38.8	10	ug/L	50.0		78	46-135	20	200	
Di-n-butyl phthalate	35.5	10	ug/L	50.0		71	51-142	14	200	
Di-n-octyl phthalate	40.1	10	ug/L	50.0		80	54-160	20	200	
Fluoranthene	41.2	10	ug/L	50.0		82	52-137	20	200	
Fluorene	44.8	10	ug/L	50.0		90	56-122	20	200	
Hexachlorobenzene	47.1	10	ug/L	50.0		94	57-129	11	200	
Hexachlorobutadiene	40.9	10	ug/L	50.0		82	34-110	17	200	
Hexachlorocyclopentadiene	44.7	10	ug/L	50.0		89	27-120	19	200	
Hexachloroethane	36.8	10	ug/L	50.0		74	37-98	17	200	
Indeno(1,2,3-cd)pyrene	46.9	10	ug/L	50.0		94	24-172	13	200	
Isophorone	39.2	10	ug/L	50.0		78	44-117	12	200	
Naphthalene	38.5	10	ug/L	50.0		77	37-108	21	200	
Nitrobenzene	38.7	10	ug/L	50.0		77	29-120	16	200	
N-Nitroso-di-n-propylamine	37.8	10	ug/L	50.0		76	42-115	13	200	
N-Nitrosodiphenylamine	48.0	10	ug/L	50.0		96	69-142	15	200	
Pentachlorophenol	48.1	10	ug/L	50.0		96	42-156	13	200	
Phenanthrene	42.8	10	ug/L	50.0		86	60-133	18	200	
Phenol	17.0	10	ug/L	50.0		34	10-47	17	200	
Pyrene	51.0	10	ug/L	50.0		102	50-152	7	200	
Surrogate: 2,4,6-Tribromophenol	*88.1*		*ug/L*	*100*		*88*	*26-139*			
Surrogate: 2-Fluorobiphenyl	*43.2*		*ug/L*	*50.0*		*86*	*41-112*			
Surrogate: 2-Fluorophenol	*54.5*		*ug/L*	*100*		*54*	*10-48*			*SR*
Surrogate: Nitrobenzene-d5	*44.8*		*ug/L*	*50.0*		*90*	*34-102*			
Surrogate: Phenol-d5	*31.7*		*ug/L*	*100*		*32*	*10-34*			
Surrogate: Terphenyl-d14	*53.2*		*ug/L*	*50.0*		*106*	*31-165*			

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

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0309 - 3510C MS										
Matrix Spike (P1H0309-MS1)		**Source: 1080358-01**		Prepared & Analyzed: 08/15/11						
1,2,4-Trichlorobenzene	85.3	20	ug/L	100	BRL	85	44-100			
1,2-Dichlorobenzene	76.2	20	ug/L	100	BRL	76	42-99			
1,3-Dichlorobenzene	77.3	20	ug/L	100	BRL	77	35-101			
1,4-Dichlorobenzene	77.9	20	ug/L	100	BRL	78	43-97			
2,4,5-Trichlorophenol	116	20	ug/L	100	BRL	116	51-122			
2,4,6-Trichlorophenol	109	20	ug/L	100	BRL	109	46-117			
2,4-Dichlorophenol	93.5	20	ug/L	100	BRL	94	42-108			
2,4-Dimethylphenol	94.4	20	ug/L	100	BRL	94	13-122			
2,4-Dinitrophenol	128	20	ug/L	100	BRL	128	10-166			
2,4-Dinitrotoluene	103	20	ug/L	100	BRL	103	64-135			
2,6-Dinitrotoluene	93.3	20	ug/L	100	BRL	93	50-146			
2-Chloronaphthalene	111	20	ug/L	100	BRL	111	46-114			
2-Chlorophenol	81.8	20	ug/L	100	BRL	82	36-94			
2-Methylnaphthalene	89.5	20	ug/L	100	BRL	90	36-115			
2-Methylphenol	86.3	20	ug/L	100	BRL	86	27-92			
2-Nitroaniline	89.3	20	ug/L	100	BRL	89	51-139			
2-Nitrophenol	93.6	20	ug/L	100	BRL	94	43-108			
3,3'-Dichlorobenzidine	44.4	20	ug/L	100	BRL	44	10-214			
3/4-Methylphenol	88.4	20	ug/L	100	BRL	88	22-84			M
3-Nitroaniline	90.6	20	ug/L	100	BRL	91	50-145			
4,6-Dinitro-2-methylphenol	118	20	ug/L	100	BRL	118	25-152			
4-Bromophenyl phenyl ether	110	20	ug/L	100	BRL	110	52-128			
4-Chloro-3-methylphenol	107	20	ug/L	100	BRL	107	44-110			
4-Chloroaniline	83.0	20	ug/L	100	BRL	83	10-156			
4-Chlorophenyl phenyl ether	112	20	ug/L	100	BRL	112	55-125			
4-Nitroaniline	105	20	ug/L	100	BRL	105	39-159			
4-Nitrophenol	86.6	20	ug/L	100	BRL	87	10-105			
Acenaphthene	100	20	ug/L	100	BRL	100	55-117			
Acenaphthylene	95.5	20	ug/L	100	BRL	96	52-121			
Aniline	86.5	20	ug/L	100	BRL	86	11-124			
Anthracene	102	20	ug/L	100	BRL	102	60-136			
Azobenzene	100	20	ug/L	100	BRL	100	50-135			
Benzo(a)anthracene	105	20	ug/L	100	BRL	105	64-135			
Benzo(a)pyrene	108	20	ug/L	100	BRL	108	68-136			
Benzo(b)fluoranthene	104	20	ug/L	100	BRL	104	61-149			
Benzo(g,h,i)perylene	109	20	ug/L	100	BRL	109	47-151			
Benzo(k)fluoranthene	105	20	ug/L	100	BRL	105	45-148			
Benzoic Acid	BRL	200	ug/L	100	BRL		10-125			P
Benzyl alcohol	83.0	20	ug/L	100	BRL	83	30-97			
bis(2-Chloroethoxy)methane	90.9	20	ug/L	100	BRL	91	43-119			
Bis(2-Chloroethyl)ether	76.5	20	ug/L	100	BRL	76	36-115			
Bis(2-chloroisopropyl)ether	79.9	20	ug/L	100	BRL	80	36-113			
Bis(2-Ethylhexyl)phthalate	90.0	20	ug/L	100	BRL	90	50-168			
Butyl benzyl phthalate	91.7	20	ug/L	100	BRL	92	52-166			
Chrysene	101	20	ug/L	100	BRL	101	62-135			
Dibenzo(a,h)anthracene	110	20	ug/L	100	BRL	110	45-155			

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

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0309 - 3510C MS										
Matrix Spike (P1H0309-MS1)		**Source: 1080358-01**		Prepared & Analyzed: 08/15/11						
Dibenzofuran	98.8	20	ug/L	100	BRL	99	58-119			
Diethyl phthalate	98.5	20	ug/L	100	BRL	99	55-137			
Dimethyl phthalate	91.0	20	ug/L	100	BRL	91	46-135			
Di-n-butyl phthalate	83.9	20	ug/L	100	BRL	84	53-141			
Di-n-octyl phthalate	83.7	20	ug/L	100	BRL	84	48-166			
Fluoranthene	102	20	ug/L	100	BRL	102	51-136			
Fluorene	105	20	ug/L	100	BRL	105	57-121			
Hexachlorobenzene	106	20	ug/L	100	BRL	106	55-131			
Hexachlorobutadiene	92.0	20	ug/L	100	BRL	92	39-110			
Hexachlorocyclopentadiene	104	20	ug/L	100	BRL	104	26-122			
Hexachloroethane	81.9	20	ug/L	100	BRL	82	37-98			
Indeno(1,2,3-cd)pyrene	101	20	ug/L	100	BRL	101	14-177			
Isophorone	87.8	20	ug/L	100	BRL	88	49-113			
Naphthalene	87.6	20	ug/L	100	BRL	88	38-109			
Nitrobenzene	78.1	20	ug/L	100	BRL	78	34-117			
N-Nitroso-di-n-propylamine	83.0	20	ug/L	100	BRL	83	44-115			
N-Nitrosodiphenylamine	104	20	ug/L	100	BRL	104	57-156			
Pentachlorophenol	113	20	ug/L	100	BRL	113	17-167			
Phenanthrene	97.2	20	ug/L	100	BRL	97	62-131			
Phenol	56.4	20	ug/L	100	BRL	56	10-68			
Pyrene	111	20	ug/L	100	BRL	111	46-156			
Surrogate: 2,4,6-Tribromophenol	*211*		*ug/L*	*200*		*106*	*26-139*			
Surrogate: 2-Fluorobiphenyl	*97.8*		*ug/L*	*100*		*98*	*41-112*			
Surrogate: 2-Fluorophenol	*135*		*ug/L*	*200*		*68*	*10-48*			*SR*
Surrogate: Nitrobenzene-d5	*90.1*		*ug/L*	*100*		*90*	*34-102*			
Surrogate: Phenol-d5	*102*		*ug/L*	*200*		*51*	*10-34*			*SR*
Surrogate: Terphenyl-d14	*104*		*ug/L*	*100*		*104*	*31-165*			

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0309 - 3510C MS										
Matrix Spike Dup (P1H0309-MSD1)		**Source: 1080358-01**		Prepared & Analyzed: 08/15/11						
1,2,4-Trichlorobenzene	81.5	20	ug/L	100	BRL	81	44-100	5	30	
1,2-Dichlorobenzene	68.2	20	ug/L	100	BRL	68	42-99	11	34	
1,3-Dichlorobenzene	69.4	20	ug/L	100	BRL	69	35-101	11	36	
1,4-Dichlorobenzene	69.8	20	ug/L	100	BRL	70	43-97	11	35	
2,4,5-Trichlorophenol	104	20	ug/L	100	BRL	104	51-122	11	22	
2,4,6-Trichlorophenol	98.0	20	ug/L	100	BRL	98	46-117	11	30	
2,4-Dichlorophenol	88.8	20	ug/L	100	BRL	89	42-108	5	33	
2,4-Dimethylphenol	89.7	20	ug/L	100	BRL	90	13-122	5	36	
2,4-Dinitrophenol	127	20	ug/L	100	BRL	127	10-166	1	41	
2,4-Dinitrotoluene	103	20	ug/L	100	BRL	103	64-135	0.6	24	
2,6-Dinitrotoluene	96.6	20	ug/L	100	BRL	97	50-146	3	28	
2-Chloronaphthalene	98.8	20	ug/L	100	BRL	99	46-114	12	30	
2-Chlorophenol	80.6	20	ug/L	100	BRL	81	36-94	1	37	
2-Methylnaphthalene	81.6	20	ug/L	100	BRL	82	36-115	9	33	
2-Methylphenol	86.7	20	ug/L	100	BRL	87	27-92	0.4	36	
2-Nitroaniline	93.8	20	ug/L	100	BRL	94	51-139	5	24	
2-Nitrophenol	87.5	20	ug/L	100	BRL	87	43-108	7	33	
3,3'-Dichlorobenzidine	58.9	20	ug/L	100	BRL	59	10-214	28	34	
3/4-Methylphenol	87.3	20	ug/L	100	BRL	87	22-84	1	30	M
3-Nitroaniline	92.2	20	ug/L	100	BRL	92	50-145	2	24	
4,6-Dinitro-2-methylphenol	114	20	ug/L	100	BRL	114	25-152	3	35	
4-Bromophenyl phenyl ether	106	20	ug/L	100	BRL	106	52-128	3	21	
4-Chloro-3-methylphenol	108	20	ug/L	100	BRL	108	44-110	0.6	25	
4-Chloroaniline	88.4	20	ug/L	100	BRL	88	10-156	6	38	
4-Chlorophenyl phenyl ether	102	20	ug/L	100	BRL	102	55-125	10	29	
4-Nitroaniline	99.4	20	ug/L	100	BRL	99	39-159	5	29	
4-Nitrophenol	80.9	20	ug/L	100	BRL	81	10-105	7	40	
Acenaphthene	93.4	20	ug/L	100	BRL	93	55-117	7	33	
Acenaphthylene	93.4	20	ug/L	100	BRL	93	52-121	2	30	
Aniline	102	20	ug/L	100	BRL	102	11-124	17	35	
Anthracene	104	20	ug/L	100	BRL	104	60-136	2	27	
Azobenzene	101	20	ug/L	100	BRL	101	50-135	1	34	
Benzo(a)anthracene	99.2	20	ug/L	100	BRL	99	64-135	5	18	
Benzo(a)pyrene	107	20	ug/L	100	BRL	107	68-136	1	21	
Benzo(b)fluoranthene	100	20	ug/L	100	BRL	100	61-149	4	34	
Benzo(g,h,i)perylene	115	20	ug/L	100	BRL	115	47-151	5	27	
Benzo(k)fluoranthene	104	20	ug/L	100	BRL	104	45-148	0.6	39	
Benzoic Acid	BRL	200	ug/L	100	BRL		10-125		51	P
Benzyl alcohol	81.9	20	ug/L	100	BRL	82	30-97	1	37	
bis(2-Chloroethoxy)methane	82.5	20	ug/L	100	BRL	82	43-119	10	30	
Bis(2-Chloroethyl)ether	73.8	20	ug/L	100	BRL	74	36-115	4	33	
Bis(2-chloroisopropyl)ether	76.2	20	ug/L	100	BRL	76	36-113	5	34	
Bis(2-Ethylhexyl)phthalate	86.8	20	ug/L	100	BRL	87	50-168	4	21	
Butyl benzyl phthalate	84.6	20	ug/L	100	BRL	85	52-166	8	23	
Chrysene	102	20	ug/L	100	BRL	102	62-135	0.7	22	
Dibenzo(a,h)anthracene	114	20	ug/L	100	BRL	114	45-155	4	28	

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0309 - 3510C MS										
Matrix Spike Dup (P1H0309-MSD1)		**Source: 1080358-01**		Prepared & Analyzed: 08/15/11						
Dibenzofuran	94.1	20	ug/L	100	BRL	94	58-119	5	23	
Diethyl phthalate	93.3	20	ug/L	100	BRL	93	55-137	6	22	
Dimethyl phthalate	89.0	20	ug/L	100	BRL	89	46-135	2	25	
Di-n-butyl phthalate	84.8	20	ug/L	100	BRL	85	53-141	1	24	
Di-n-octyl phthalate	85.2	20	ug/L	100	BRL	85	48-166	2	21	
Fluoranthene	101	20	ug/L	100	BRL	101	51-136	0.9	26	
Fluorene	96.5	20	ug/L	100	BRL	96	57-121	9	30	
Hexachlorobenzene	104	20	ug/L	100	BRL	104	55-131	2	29	
Hexachlorobutadiene	82.3	20	ug/L	100	BRL	82	39-110	11	35	
Hexachlorocyclopentadiene	94.6	20	ug/L	100	BRL	95	26-122	9	36	
Hexachloroethane	74.5	20	ug/L	100	BRL	74	37-98	10	37	
Indeno(1,2,3-cd)pyrene	116	20	ug/L	100	BRL	116	14-177	13	34	
Isophorone	81.2	20	ug/L	100	BRL	81	49-113	8	27	
Naphthalene	77.7	20	ug/L	100	BRL	78	38-109	12	35	
Nitrobenzene	76.0	20	ug/L	100	BRL	76	34-117	3	34	
N-Nitroso-di-n-propylamine	78.0	20	ug/L	100	BRL	78	44-115	6	33	
N-Nitrosodiphenylamine	107	20	ug/L	100	BRL	107	57-156	3	26	
Pentachlorophenol	110	20	ug/L	100	BRL	110	17-167	3	36	
Phenanthrene	104	20	ug/L	100	BRL	104	62-131	7	23	
Phenol	56.9	20	ug/L	100	BRL	57	10-68	1	43	
Pyrene	93.5	20	ug/L	100	BRL	94	46-156	17	31	
Surrogate: 2,4,6-Tribromophenol	*203*		*ug/L*	*200*		*101*	*26-139*			
Surrogate: 2-Fluorobiphenyl	*92.4*		*ug/L*	*100*		*92*	*41-112*			
Surrogate: 2-Fluorophenol	*139*		*ug/L*	*200*		*69*	*10-48*			*SR*
Surrogate: Nitrobenzene-d5	*84.4*		*ug/L*	*100*		*84*	*34-102*			
Surrogate: Phenol-d5	*103*		*ug/L*	*200*		*52*	*10-34*			*SR*
Surrogate: Terphenyl-d14	*96.3*		*ug/L*	*100*		*96*	*31-165*			

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

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 P1H0269 - 5035										
Blank (P1H0269-BLK1)				Prepared & Analyzed: 08/12/11						
Gasoline Range Organics	BRL	5.0	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	*3.65*		*mg/kg wet*	*5.00*		*73*	*55-129*			
LCS (P1H0269-BS1)				Prepared & Analyzed: 08/12/11						
Gasoline Range Organics	37.6	5.0	mg/kg wet	50.0		75	67-116			
Surrogate: a,a,a-Trifluorotoluene	*3.55*		*mg/kg wet*	*5.00*		*71*	*55-129*			
LCS Dup (P1H0269-BSD1)				Prepared & Analyzed: 08/12/11						
Gasoline Range Organics	42.6	5.0	mg/kg wet	50.0		85	67-116	12	200	
Surrogate: a,a,a-Trifluorotoluene	*4.00*		*mg/kg wet*	*5.00*		*80*	*55-129*			

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

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 P1H0283 - 3545A										
Blank (P1H0283-BLK1)				Prepared & Analyzed: 08/15/11						
Diesel Range Organics	BRL	7.0	mg/kg wet							
Surrogate: o-Terphenyl	*1.52*		*mg/kg wet*	*1.60*		*95*	*49-124*			
LCS (P1H0283-BS1)				Prepared & Analyzed: 08/15/11						
Diesel Range Organics	52.1	7.0	mg/kg wet				55-109			
Surrogate: o-Terphenyl	*1.43*		*mg/kg wet*	*1.60*		*90*	*49-124*			
LCS Dup (P1H0283-BSD1)				Prepared & Analyzed: 08/15/11						
Diesel Range Organics	62.2	7.0	mg/kg wet				55-109	18	200	
Surrogate: o-Terphenyl	*1.70*		*mg/kg wet*	*1.60*		*107*	*49-124*			
Matrix Spike (P1H0283-MS1)		**Source: 1080358-02**		Prepared & Analyzed: 08/15/11						
Diesel Range Organics	80.9	10	mg/kg dry		4.45		50-117			
Surrogate: o-Terphenyl	*2.14*		*mg/kg dry*	*2.29*		*94*	*49-124*			
Matrix Spike Dup (P1H0283-MSD1)		**Source: 1080358-02**		Prepared & Analyzed: 08/15/11						
Diesel Range Organics	94.5	10	mg/kg dry		4.45		50-117	15	24	
Surrogate: o-Terphenyl	*2.58*		*mg/kg dry*	*2.30*		*112*	*49-124*			

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0285 - 3010A										
Blank (P1H0285-BLK1)				Prepared & Analyzed: 08/15/11						
Antimony	BRL	0.010	mg/L							
Arsenic	BRL	0.010	mg/L							
Beryllium	BRL	0.0020	mg/L							
Cadmium	BRL	0.0010	mg/L							
Chromium	BRL	0.0050	mg/L							
Copper	BRL	0.010	mg/L							
Lead	BRL	0.0050	mg/L							
Manganese	BRL	0.010	mg/L							
Nickel	BRL	0.010	mg/L							
Selenium	BRL	0.020	mg/L							
Silver	BRL	0.0050	mg/L							
Thallium	BRL	0.010	mg/L							
Zinc	BRL	0.030	mg/L							
LCS (P1H0285-BS1)				Prepared & Analyzed: 08/15/11						
Antimony	0.247	0.010	mg/L	0.250		99	80-120			
Arsenic	0.249	0.010	mg/L	0.250		99	80-120			
Beryllium	0.252	0.0020	mg/L	0.250		101	80-120			
Cadmium	0.248	0.0010	mg/L	0.250		99	80-120			
Chromium	0.245	0.0050	mg/L	0.250		98	80-120			
Copper	0.260	0.010	mg/L	0.250		104	80-120			
Lead	0.263	0.0050	mg/L	0.250		105	80-120			
Manganese	0.268	0.010	mg/L	0.250		107	80-120			
Nickel	0.259	0.010	mg/L	0.250		104	80-120			
Selenium	0.263	0.020	mg/L	0.250		105	80-120			
Silver	0.259	0.0050	mg/L	0.250		103	80-120			
Thallium	0.258	0.010	mg/L	0.250		103	80-120			
Zinc	0.250	0.030	mg/L	0.250		100	80-120			

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0285 - 3010A										
Matrix Spike (P1H0285-MS1)		**Source: 1080358-01**		Prepared & Analyzed: 08/15/11						
Antimony	0.246	0.010	mg/L	0.250	0.00276	97	75-125			
Arsenic	0.249	0.010	mg/L	0.250	0.00251	98	75-125			
Beryllium	0.257	0.0020	mg/L	0.250	BRL	103	75-125			
Cadmium	0.250	0.0010	mg/L	0.250	0.000292	100	75-125			
Chromium	0.249	0.0050	mg/L	0.250	0.00202	99	75-125			
Copper	0.269	0.010	mg/L	0.250	0.00547	106	75-125			
Lead	0.266	0.0050	mg/L	0.250	0.00101	106	75-125			
Manganese	0.355	0.010	mg/L	0.250	0.0881	107	75-125			
Nickel	0.262	0.010	mg/L	0.250	0.00229	104	75-125			
Selenium	0.265	0.020	mg/L	0.250	0.00468	104	75-125			
Silver	0.259	0.0050	mg/L	0.250	BRL	104	75-125			
Thallium	0.258	0.010	mg/L	0.250	0.00144	103	75-125			
Zinc	0.330	0.030	mg/L	0.250	0.0783	101	75-125			
Matrix Spike Dup (P1H0285-MSD1)		**Source: 1080358-01**		Prepared & Analyzed: 08/15/11						
Antimony	0.251	0.010	mg/L	0.250	0.00276	99	75-125	2	20	
Arsenic	0.253	0.010	mg/L	0.250	0.00251	100	75-125	2	20	
Beryllium	0.261	0.0020	mg/L	0.250	BRL	104	75-125	1	20	
Cadmium	0.254	0.0010	mg/L	0.250	0.000292	101	75-125	2	20	
Chromium	0.253	0.0050	mg/L	0.250	0.00202	100	75-125	1	20	
Copper	0.273	0.010	mg/L	0.250	0.00547	107	75-125	1	20	
Lead	0.270	0.0050	mg/L	0.250	0.00101	107	75-125	1	20	
Manganese	0.360	0.010	mg/L	0.250	0.0881	109	75-125	1	20	
Nickel	0.266	0.010	mg/L	0.250	0.00229	106	75-125	1	20	
Selenium	0.268	0.020	mg/L	0.250	0.00468	105	75-125	1	20	
Silver	0.264	0.0050	mg/L	0.250	BRL	105	75-125	2	20	
Thallium	0.262	0.010	mg/L	0.250	0.00144	104	75-125	1	20	
Zinc	0.331	0.030	mg/L	0.250	0.0783	101	75-125	0.3	20	

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

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0286 - 3050B										
Blank (P1H0286-BLK1)				Prepared: 08/15/11 Analyzed: 08/16/11						
Antimony	BRL	0.20	mg/kg wet							
Arsenic	BRL	0.51	mg/kg wet							
Beryllium	BRL	0.25	mg/kg wet							
Cadmium	BRL	0.25	mg/kg wet							
Chromium	BRL	0.25	mg/kg wet							
Copper	BRL	0.51	mg/kg wet							
Lead	BRL	0.25	mg/kg wet							
Manganese	BRL	0.25	mg/kg wet							
Nickel	BRL	1.0	mg/kg wet							
Selenium	BRL	0.51	mg/kg wet							
Silver	BRL	0.25	mg/kg wet							
Thallium	BRL	0.51	mg/kg wet							
Zinc	BRL	2.5	mg/kg wet							
LCS (P1H0286-BS1)				Prepared: 08/15/11 Analyzed: 08/16/11						
Antimony	23.5	0.20	mg/kg wet	24.6		95	80-120			
Arsenic	23.7	0.49	mg/kg wet	24.6		96	80-120			
Beryllium	23.8	0.25	mg/kg wet	24.6		97	80-120			
Cadmium	23.7	0.25	mg/kg wet	24.6		96	80-120			
Chromium	24.8	0.25	mg/kg wet	24.6		101	80-120			
Copper	25.3	0.49	mg/kg wet	24.6		103	80-120			
Lead	24.4	0.25	mg/kg wet	24.6		99	80-120			
Manganese	24.8	0.25	mg/kg wet	24.6		101	80-120			
Nickel	24.0	0.99	mg/kg wet	24.6		98	80-120			
Selenium	23.8	0.49	mg/kg wet	24.6		96	80-120			
Silver	24.0	0.25	mg/kg wet	24.6		97	80-120			
Thallium	24.2	0.49	mg/kg wet	24.6		98	80-120			
Zinc	24.2	2.5	mg/kg wet	24.6		98	80-120			

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Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0286 - 3050B										
Matrix Spike (P1H0286-MS1)		**Source: 1080358-02**		Prepared: 08/15/11	Analyzed: 08/16/11					
Antimony	13.3	0.29	mg/kg dry	36.1	BRL	37	75-125			MI
Arsenic	33.0	0.72	mg/kg dry	36.1	1.30	88	75-125			
Beryllium	32.3	0.36	mg/kg dry	36.1	0.513	88	75-125			
Cadmium	30.3	0.36	mg/kg dry	36.1	BRL	84	75-125			
Chromium	57.3	0.36	mg/kg dry	36.1	28.3	80	75-125			
Copper	50.5	0.72	mg/kg dry	36.1	26.8	66	75-125			MI
Lead	36.7	0.36	mg/kg dry	36.1	5.65	86	75-125			
Manganese	113	0.36	mg/kg dry	36.1	96.7	45	75-125			MI
Nickel	37.5	1.4	mg/kg dry	36.1	10.4	75	75-125			
Selenium	33.5	0.72	mg/kg dry	36.1	1.00	90	75-125			
Silver	33.0	0.36	mg/kg dry	36.1	BRL	91	75-125			
Thallium	29.9	0.72	mg/kg dry	36.1	BRL	83	75-125			
Zinc	72.7	3.6	mg/kg dry	36.1	50.5	61	75-125			MI
Matrix Spike Dup (P1H0286-MSD1)		**Source: 1080358-02**		Prepared: 08/15/11	Analyzed: 08/16/11					
Antimony	11.7	0.28	mg/kg dry	35.6	BRL	33	75-125	13	20	MI
Arsenic	32.3	0.71	mg/kg dry	35.6	1.30	87	75-125	2	20	
Beryllium	31.4	0.36	mg/kg dry	35.6	0.513	87	75-125	3	20	
Cadmium	29.4	0.36	mg/kg dry	35.6	BRL	83	75-125	3	20	
Chromium	57.0	0.36	mg/kg dry	35.6	28.3	80	75-125	0.6	20	
Copper	50.5	0.71	mg/kg dry	35.6	26.8	67	75-125	0.001	20	MI
Lead	37.0	0.36	mg/kg dry	35.6	5.65	88	75-125	0.7	20	
Manganese	125	0.36	mg/kg dry	35.6	96.7	80	75-125	10	20	
Nickel	37.8	1.4	mg/kg dry	35.6	10.4	77	75-125	0.6	20	
Selenium	32.8	0.71	mg/kg dry	35.6	1.00	89	75-125	2	20	
Silver	32.2	0.36	mg/kg dry	35.6	BRL	91	75-125	2	20	
Thallium	28.5	0.71	mg/kg dry	35.6	BRL	80	75-125	5	20	
Zinc	85.6	3.6	mg/kg dry	35.6	50.5	99	75-125	16	20	

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

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0286 - 3050B										
Post Spike (P1H0286-PS1)		**Source: 1080358-03**		Prepared: 08/15/11	Analyzed: 08/16/11					
Antimony	0.832		mg/L	1.00	-0.0102	84	80-120			
Arsenic	0.913		mg/L	1.00	0.0542	86	80-120			
Beryllium	0.871		mg/L	1.00	0.0264	85	80-120			
Cadmium	0.784		mg/L	1.00	-0.00928	79	80-120			MI
Chromium	1.96		mg/L	1.00	1.12	85	80-120			
Copper	1.58		mg/L	1.00	0.646	94	80-120			
Lead	1.00		mg/L	1.00	0.207	80	80-120			
Manganese	6.61		mg/L	1.00	6.91	NR	80-120			E, MC
Nickel	1.13		mg/L	1.00	0.335	79	80-120			MI
Selenium	0.929		mg/L	1.00	0.0610	87	80-120			
Silver	0.880		mg/L	1.00	-0.0110	89	80-120			
Thallium	0.766		mg/L	1.00	-0.00356	77	80-120			MI
Zinc	4.45		mg/L	1.00	3.57	87	80-120			
Batch P1H0295 - 7471B										
Blank (P1H0295-BLK1)				Prepared & Analyzed: 08/15/11						
Mercury	BRL	0.018	mg/kg wet							
LCS (P1H0295-BS1)				Prepared & Analyzed: 08/15/11						
Mercury	0.431	0.020	mg/kg wet	0.424		102	80-120			
Matrix Spike (P1H0295-MS1)		**Source: 1080358-03**		Prepared & Analyzed: 08/15/11						
Mercury	0.509	0.024	mg/kg dry	0.491	0.00928	102	80-120			
Matrix Spike Dup (P1H0295-MSD1)		**Source: 1080358-03**		Prepared & Analyzed: 08/15/11						
Mercury	0.555	0.026	mg/kg dry	0.542	0.00928	101	80-120	9	20	

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

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0302 - 7470A										
Blank (P1H0302-BLK1)				Prepared: 08/15/11		Analyzed: 08/16/11				
Mercury	BRL	0.00020	mg/L							
LCS (P1H0302-BS1)				Prepared: 08/15/11		Analyzed: 08/16/11				
Mercury	0.0102	0.00020	mg/L	0.00938		109	80-120			
Matrix Spike (P1H0302-MS1)		**Source: 1080358-01**		Prepared: 08/15/11		Analyzed: 08/16/11				
Mercury	0.00994	0.00020	mg/L	0.00938	0.0000431	106	80-120			
Matrix Spike Dup (P1H0302-MSD1)		**Source: 1080358-01**		Prepared: 08/15/11		Analyzed: 08/16/11				
Mercury	0.0104	0.00020	mg/L	0.00938	0.0000431	111	80-120	5	20	

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

Project: PPA-040

Project No: PPA-040

Prism Work Order: 1080358
Time Submitted: 8/15/11 7:40:00AM

General Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H0306 - NO PREP										
Blank (P1H0306-BLK1)				Prepared & Analyzed: 08/15/11						
% Solids	100	0.100	% by Weight							
Batch P1H0333 - 9071B										
Blank (P1H0333-BLK1)				Prepared & Analyzed: 08/15/11						
Oil & Grease (SGT-HEM)	BRL	40	mg/kg wet							
LCS (P1H0333-BS1)				Prepared & Analyzed: 08/15/11						
Oil & Grease (SGT-HEM)	720	40	mg/kg wet	1000		72	80-120			L1
LCS Dup (P1H0333-BSD1)				Prepared & Analyzed: 08/15/11						
Oil & Grease (SGT-HEM)	830	40	mg/kg wet	1000		83	80-120	14	200	
Matrix Spike (P1H0333-MS1)		**Source: 1080358-03**		Prepared & Analyzed: 08/15/11						
Oil & Grease (SGT-HEM)	1620	50	mg/kg dry	1250	BRL	129	80-120			MI
Matrix Spike Dup (P1H0333-MSD1)		**Source: 1080358-03**		Prepared & Analyzed: 08/15/11						
Oil & Grease (SGT-HEM)	1610	50	mg/kg dry	1250	BRL	129	80-120	0.2	20	MI

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Sample Extraction Data

Prep Method: 3545A

Lab Number	Batch	Initial	Final	Date/Time
1080358-02	P1H0283	25.14 g	1 mL	08/15/11 8:20
1080358-03	P1H0283	25.09 g	1 mL	08/15/11 8:20
1080358-04	P1H0283	24.99 g	1 mL	08/15/11 8:20
1080358-05	P1H0283	25.11 g	1 mL	08/15/11 8:20

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date/Time
1080358-02	P1H0269	6.18 g	5 mL	08/15/11 9:30
1080358-03	P1H0269	5.98 g	5 mL	08/15/11 9:30
1080358-04	P1H0269	5.69 g	5 mL	08/15/11 9:30
1080358-05	P1H0269	3.06 g	5 mL	08/15/11 9:30

Prep Method: 9071B

Lab Number	Batch	Initial	Final	Date/Time
1080358-02	P1H0333	20.02 g	20 g	08/15/11 11:00
1080358-03	P1H0333	20.05 g	20 g	08/15/11 11:00
1080358-04	P1H0333	20.05 g	20 g	08/15/11 11:00
1080358-05	P1H0333	20.03 g	20 g	08/15/11 11:00

Prep Method: 3510C MS

Lab Number	Batch	Initial	Final	Date/Time
1080358-01	P1H0309	1000 mL	1 mL	08/15/11 9:00

Prep Method: 3550C MS

Lab Number	Batch	Initial	Final	Date/Time
1080358-02	P1H0287	30.14 g	1 mL	08/15/11 11:00
1080358-03	P1H0287	30.45 g	1 mL	08/15/11 11:00
1080358-04	P1H0287	30.41 g	1 mL	08/15/11 11:00
1080358-05	P1H0287	30.33 g	1 mL	08/15/11 11:00

Prep Method: 3010A

Lab Number	Batch	Initial	Final	Date/Time
1080358-01	P1H0285	50 mL	50 mL	08/15/11 9:30
1080358-01	P1H0285	50 mL	50 mL	08/15/11 9:30

Prep Method: 3050B

Lab Number	Batch	Initial	Final	Date/Time
1080358-02	P1H0286	1.97 g	50 mL	08/15/11 8:40
1080358-03	P1H0286	2.02 g	50 mL	08/15/11 8:40
1080358-03	P1H0286	2.02 g	50 mL	08/15/11 8:40
1080358-04	P1H0286	2.01 g	50 mL	08/15/11 8:40
1080358-05	P1H0286	2.02 g	50 mL	08/15/11 8:40

Prep Method: 7470A

Lab Number	Batch	Initial	Final	Date/Time
1080358-01	P1H0302	20 mL	30 mL	08/15/11 12:50

Prep Method: 7471B

Lab Number	Batch	Initial	Final	Date/Time
1080358-02	P1H0295	0.62 g	50 mL	08/15/11 11:00

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

Sample Extraction Data

Prep Method: 7471B

Lab Number	Batch	Initial	Final	Date/Time
1080358-03	P1H0295	0.62 g	50 mL	08/15/11 11:00
1080358-04	P1H0295	0.56 g	50 mL	08/15/11 11:00
1080358-05	P1H0295	0.55 g	50 mL	08/15/11 11:00

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
1080358-01	P1H0314	10 mL	10 mL	08/15/11 17:52

Prep Method: 5030B Soil

Lab Number	Batch	Initial	Final	Date/Time
1080358-04	P1H0320	6.4 g	5 mL	08/15/11 9:16

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date/Time
1080358-02	P1H0294	7.38 g	5 mL	08/15/11 9:00
1080358-03	P1H0294	5.75 g	5 mL	08/15/11 9:00
1080358-05	P1H0294	5.14 g	5 mL	08/15/11 9:00

Subcontracted Analyses

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

Lab Number	Analysis
1080358-02	Hexavalent Chromium (Sub)
1080358-03	Hexavalent Chromium (Sub)
1080358-04	Hexavalent Chromium (Sub)
1080358-05	Hexavalent Chromium (Sub)

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

CHAIN OF CUSTODY RECORD

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

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

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

Project Name: Retention Pond Assessment PPA-040

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

*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Invoice To: Cynthia Wells

Address: SAME

Client Company Name: Hart & Hickman

Report To/Contact Name: Kurtis Beshers

Reporting Address: 2923 S. Tryon St. Suite 100 Charlotte NC 28203

Phone: 704.586.0007 Fax (Yes) (No):

Email (Yes) (No) Email Address k.beshers@harthickman.com

EDD Type: PDF____ Excel____ Other_____

Site Location Name: Volvo

Site Location Physical Address: Asheville NC

Purchase Order No./Billing Reference _____

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

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

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

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 1.2	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		✓
PROPER CONTAINERS used?	✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC____ USACE____ FL____ NC____ SC____ OTHER____ N/A____

Water Chlorinated: YES___ NO X

Sample Iced Upon Collection: YES X NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	VOCs 8260	SVOCs 8270 C	HS Metals	Hex Chrome	TPH DRO	TPH GRO	Oil & Grease	REMARKS	PRISM LAB ID NO.
SW-1	8/3/11	1150	WATER					X	X	X						Ø1
SS-1	↓	1230	Sediment					X	X	X	X	X	X	X		Ø2
SS-2		1330	↓					X	X	X	X	X	X	X		Ø3
SS-3		1430						X	X	X	X	X	X	X		Ø4
SS-4		1500						X	X	X	X	X	X	X		Ø5

PRESS DOWN FIRMLY - 3 COPIES

Sampler's Signature _____ Sampled By (Print Name) Jimmy CARR Affiliation Hart & Hickman

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.

		Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	8/5/11	0740
Relinquished By: (Signature)	Received By: (Signature)		
Relinquished By: (Signature)	Received For Prism Laboratories By:	8/15/11	0740

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

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

COC Group No. 1Ø8Ø358

Additional Comments: NEED RESULTS ON TUESDAY MORNING

PRISM USE ONLY

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

SEE REVERSE FOR TERMS & CONDITIONS

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

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

ORIGINAL

ACCESS
ANALYTICAL, INC.

ANALYTICAL REPORT

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

ATTENTION
Angie Overcash

PROJECT ID
1080358

LABORATORY REPORT NUMBER
211081601

DATE
08/16/2011

Primary Data Review By

IntegriSign

Curtis Ekker
Data Validation Manager, GCAL

Secondary Data Review By

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

PLEASE NOTE:

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

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER ADE - 1482

ANALYTICAL RESULTS

PERFORMED BY

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

Report Date 08/16/2011

GCAL Report 211081601

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

Project 1080358

CASE NARRATIVE

Client: Prism Laboratories, Inc. **Report:** 211081601

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

CONVENTIONALS

In the SW-846 7196A analysis for analytical batch 463557, the MS/MSD recovery was outside the control limits for Chromium VI. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by a matrix interference. The MS recovery is very low or 0%. The LCS recovery is acceptable. A post-digestion spike was performed with a recovery of 62%. This indicates that the matrix reduced the added Hexavalent Chromium and no measurable native Hexavalent Chromium existed in the original sample.

Laboratory Endorsement

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

Common Abbreviations Utilized in this Report

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

Reporting Flags Utilized in this Report

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

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

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

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

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

IntegriSign

Robyn Migues
Technical Director
GCAL REPORT 211081601

IntegriSig

THIS REPORT CONTAINS 12 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21108160101	SS-1	Solid	08/13/2011 12:30	08/16/2011 09:05
21108160102	SS-2	Solid	08/13/2011 13:30	08/16/2011 09:05
21108160103	SS-3	Solid	08/13/2011 14:30	08/16/2011 09:05
21108160104	SS-4	Solid	08/13/2011 15:00	08/16/2011 09:05

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21108160101	SS-1	Solid	08/13/2011 12:30	08/16/2011 09:05

SW-846 7196A Chromium VI

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	2.23	0.718	0.359	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21108160103	SS-3	Solid	08/13/2011 14:30	08/16/2011 09:05

SW-846 7196A Chromium VI

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	1.68	0.674	0.337	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21108160104	SS-4	Solid	08/13/2011 15:00	08/16/2011 09:05

SW-846 7196A Chromium VI

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.370B	0.740	0.370	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21108160101	SS-1	Solid	08/13/2011 12:30	08/16/2011 09:05

SW-846 7196A Chromium VI

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/16/2011 10:15	463519	SW-846 3060A	1	08/16/2011 14:42	JEM	463557

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	2.23	0.718	0.359	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21108160102	SS-2	Solid	08/13/2011 13:30	08/16/2011 09:05

SW-846 7196A Chromium VI

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/16/2011 10:15	463519	SW-846 3060A	1	08/16/2011 14:43	JEM	463557

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.314U	0.629	0.314	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21108160103	SS-3	Solid	08/13/2011 14:30	08/16/2011 09:05

SW-846 7196A Chromium VI

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/16/2011 10:15	463519	SW-846 3060A	1	08/16/2011 14:44	JEM	463557

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	1.68	0.674	0.337	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21108160104	SS-4	Solid	08/13/2011 15:00	08/16/2011 09:05

SW-846 7196A Chromium VI

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/16/2011 10:15	463519	SW-846 3060A	1	08/16/2011 14:45	JEM	463557

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.370B	0.740	0.370	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

General Chemistry Quality Control Summary

Analytical Batch 463557	**Client ID**	MB463519		LCS463519
Prep Batch 463519	**GCAL ID**	979577		979578
Prep Method SW-846	**Sample Type**	Method Blank		LCS
3060A	**Prep Date**	08/16/2011 10:15		08/16/2011 10:15
	Analytical Date	08/16/2011 14:40		08/16/2011 14:41
	Matrix	Solid		Solid

SW-846 7196A Chromium VI	**Units** mg/kg **Result**	**RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**
18540-29-9 Chromium VI	0.250U	0.250	50.0	40.2	80.4	75 - 125

Analytical Batch 463557	**Client ID**	SS-1		979569MS
Prep Batch 463519	**GCAL ID**	21108160101		979579
Prep Method SW-846	**Sample Type**	SAMPLE		MS
3060A	**Prep Date**	08/16/2011 10:15		08/16/2011 10:15
	Analytical Date	08/16/2011 14:42		08/16/2011 14:42
	Matrix	Solid		Solid

SW-846 7196A Chromium VI	**Units** mg/kg **Result**	**RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**
18540-29-9 Chromium VI	1.55	0.250	50.0	2.35	1.6*	74.5 -125.4

Analytical Batch 463557	**Client ID**	SS-2		979570DUP
Prep Batch 463519	**GCAL ID**	21108160102		979580
Prep Method SW-846	**Sample Type**	SAMPLE		DUP
3060A	**Prep Date**	08/16/2011 10:15		08/16/2011 10:15
	Analytical Date	08/16/2011 14:43		08/16/2011 14:43
	Matrix	Solid		Solid

SW-846 7196A Chromium VI	**Units** mg/kg **Result**	**RDL**	**Result**	**RPD**	**RPD Limit**
18540-29-9 Chromium VI	0.000	0.250	0.000	0	25

Prism / 4565 / 21108 1601 / 8/17/11

SUBCONTRACT ORDER

Prism Laboratories, Inc.

1080358

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

RUSH
SAME DAY
DUE 8/16/11

Need 0.25 mg/kg Reporting Limit

Analysis	Due	Expires	Laboratory ID	Comments	
Sample ID: 1080358-02	**Solid**	**Sampled:08/13/11 12:30**	[redacted]	CALL ROBBI FOR % SOLIDS RESULTS	1
Hexavalent Chromium (Sub)		08/14/11 12:30			
Containers Supplied: 4 oz CLEAR GLASS					
Sample ID: 1080358-03	**Solid**	**Sampled:08/13/11 13:30**	[redacted]		2
Hexavalent Chromium (Sub)		08/14/11 13:30			
Containers Supplied:					
Sample ID: 1080358-04	**Solid**	**Sampled:08/13/11 14:30**	[redacted]		3
Hexavalent Chromium (Sub)		08/14/11 14:30			
Containers Supplied:					
Sample ID: 1080358-05	**Solid**	**Sampled:08/13/11 15:00**	[redacted]		4
Hexavalent Chromium (Sub)		08/14/11 15:00			
Containers Supplied:					

3.7°C

Released By	8/15/11 Date	FED EX Received By	8/15/11 Date
FED EX Released By	8/16/11 0905 Date	Received By GCAL	8/16/11 0905 Date

7974 1911 0225

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

SAMPLE RECEIVING CHECKLIST

Workorder: 211081601

Client: 4565 - Access Analytical

Profile: 80255 - Prism LabJ

Line Item: 2 - Solid

Received by: Carstens, Jennifer K.

Received Date/Time: 8/16/2011 9:05:00 AM

Samples Received via: FEDEX

Number of Coolers Received: 1

Cooler tracking numbers(s): 7974 1011 0225

Cooler temperature(s): 3.7

Were all coolers received at a temperature of 0 - 6° C?	☑ Yes	☐ No	☐ N/A
Were all custody seals intact?	☑ Yes	☐ No	☐ N/A
Were all samples received in proper containers?	☑ Yes	☐ No	☐ N/A
Were all samples properly preserved?	☑ Yes	☐ No	☐ N/A
Was preservative added to any container at the lab?	☐ Yes	☑ No	☐ N/A
Were all containers received in good condition?	☑ Yes	☐ No	☐ N/A
Were all VOA vials received with no head space?	☐ Yes	☐ No	☑ N/A
Do all sample labels match the Chain of Custody?	☑ Yes	☐ No	☐ N/A
Was the client notified about any discrepancies?	☐ Yes	☐ No	☑ N/A

Notes/Comments: