



November 24, 2010

Ms. Ann Kolata
Senior Redevelopment Specialist
City of South Bend Department of Community and Economic Development
227 West Jefferson Blvd, 12th Floor
South Bend, Indiana 46601

RE: Letter Report for Phase II Environmental Site Assessment at the Former South Bend Lathe (Lathe) and Huckins Tool & Die (Huckins) Properties of the Former Studebaker Complex in South Bend, Indiana (the Site).
SBI060.400.0003.Phase II Report.DOC

Dear Ms. Kolata:

Hull & Associates, Inc. (Hull) is pleased to submit this report documenting additional Phase II Environmental Site Assessment (ESA) activities conducted at the above Site. The objectives of this investigation were as follows:

1. to evaluate areas of the referenced parcels at the Site where samples collected during removal of underground storage tanks (USTs) indicated that chemicals of concern (COCs) remain in soils at concentrations exceeding the Indiana Department of Environmental Management (IDEM) 1996 Voluntary Remediation Program (VRP) Nonresidential Tier II Cleanup Goals; and
2. to evaluate the vertical and horizontal distribution of COCs in surface and subsurface soils where the IDEM 1996 VRP Nonresidential Tier II Cleanup Goals are exceeded in the vicinity of certain historical sampling locations.

SCOPE OF WORK

Based on previous Phase I ESA, Phase II ESA, and Phase III remedial activities completed to date, several areas of the former Lathe and Huckins parcels were identified as requiring additional assessment activities before a VRP Remediation Work Plan could be prepared for the Site. The areas that apply to the proposed additional Phase II ESA activities at the Lathe and Huckins parcels are further described below.

Soil Boring SB-01 (Lathe) - This historical soil boring is located in the east central portion of the former Lathe building. Elevated concentrations of total petroleum hydrocarbons (TPH) extended range organics (ERO) were previously detected in soil samples collected from this boring. Five soil borings were proposed to delineate the vertical and horizontal distribution of TPH-ERO in the vicinity of this boring.

Soil Borings SB-SA1 through SB-SA3 (Lathe) – These historical soil borings are located in the northwest portion of the former Lathe building. Elevated concentrations of

TPH-ERO were previously detected in soil samples collected from these borings. Five soil borings were proposed to delineate the vertical and horizontal distribution of TPH-ERO in this area.

Former UST 72-A (Lathe) - One soil sample collected during the closure of this UST exhibited a concentration of TPH-ERO exceeding the soil migration to groundwater pathway. Five additional borings were proposed to delineate the vertical and horizontal distribution of TPH-ERO in this area.

Former UST B-1 (Huckins) - Three soil samples collected during the closure of this UST exhibited elevated concentrations of TPH-ERO. An additional five soil borings were proposed to delineate the vertical and horizontal distribution of TPH-ERO in this area.

The specific locations of the borings installed during the present investigation are shown on Figure 1.

FIELD INVESTIGATION

The field work was completed from August 19 through August 20, 2010. Specifically, the field work included the following tasks:

1. Installation of five soil borings located in the east central portion of the former South Bend Lathe building;
2. Installation of five soil borings located in the northwest portion of the former South Bend Lathe building;
3. Installation of five soil borings located west of the perimeter of the former South Bend Lathe building; and
4. Installation of eight soil borings located west of the perimeter of the former South Bend Lathe building near the Huckins property (additional boring locations were added in this area during the investigation based on field observations, as discussed below).

Collection of Soil Samples

From August 19 through August 20, 2010, under the supervision of Hull, D & T Drilling, Inc. (D & T) installed soil borings (HSB-O101 through HSB-O105, HSB-SA01 through HSB-SA05, HSB-72A01 through HSB-72A05, and HSB-B101 through HSB-B108) at the locations shown on Figure 1. Soil borings were advanced using a direct-push Geoprobe rig. The borings extended to depths of approximately 15 to 20 feet below ground surface (bgs). Up to two samples were collected from each soil boring and submitted under appropriate chain-of-custody procedures to Pace Analytical Laboratories in Indianapolis, Indiana (Pace) for chemical analyses as follows:

1. HSB-O101 through HSB-O105, HSB-SA01 through HSB-SA05, HSB-72A01 through HSB-72A05, and HSB-B101 through HSB-B108 - TPH-ERO in accordance with U.S. EPA Method 8015M; and
2. HSB-B0102, HSB-B103, and HSB-B104 - volatile organic compounds (VOCs) in accordance with U.S. EPA Method 8260 (collected in accordance with U.S. EPA Method 5035).

Hull's field representative screened each sample using a photoionization detector (PID). The driller was required to decontaminate all down-hole equipment between sampling intervals using a non-phosphatic detergent (e.g., *Liquinox*) and rinsing with distilled water.

Soil samples were selected based on Hull's field observations. In general, those samples exhibiting the highest PID readings or other evidence of potential impact were selected for chemical analyses. In addition, a second (deeper) soil sample may have been selected and submitted to the laboratory to evaluate the vertical extent of potential contamination. Soil descriptions, PID readings, and sample intervals are described in further detail on the soil boring logs included in Appendix A. Unused soil cuttings were placed in a Department of Transportation (DOT)-approved 55-gallon drum. The driller decommissioned the borings by filling the boreholes to grade with bentonite chips.

FINDINGS

Forty-six soil samples and three duplicates were analyzed at Pace. Soil chemical analytical results are summarized in Table 1 and compared to the IDEM 1996 VRP Nonresidential Tier II Cleanup Goals. Alternatively, in the case of TPH parameters, for which there are no VRP Tier II Cleanup Goals, data were compared to Indiana Risk Integrated System of Closure (RISC) Commercial/Industrial Default Closure Levels (IDCLs). Soil sample results exceeding laboratory detection limits and 1996 VRP Nonresidential Tier II Cleanup Goals or RISC IDCLs are shown on Figure 2. Laboratory analytical reports for soil samples are included in Appendix B.

The soil samples collected from HSB-B102 (10-11.4' bgs) and HSB-B103 (10-11.2' bgs) exhibited concentrations of TPH-ERO exceeding RISC IDCLs. All other soil concentrations were either below VRP Nonresidential Tier II Cleanup Goals or RISC IDCLs, and/or laboratory detection limits.

Lithology of the soils logged during this stage of investigation is consistent with that observed during previous investigations. The soils underlying the Site consist primarily of a loose brown/black medium grained sand and gravel, slightly moist, to a depth of fifteen feet. Groundwater appears to be encountered at depths ranging from approximately 15 to 20 feet bgs. Groundwater samples were not collected from the Site during the August 2010 assessment activities.

DISCUSSION AND RECOMMENDATIONS

While most analytes were not detected above laboratory reporting limits during this investigation, TPH-ERO was detected at an elevated concentration (i.e., 3,360 mg/kg) in soil boring HSB-B102 (10 to 11.4 feet bgs) as shown on Figure 2. This concentration is above the IDEM RISC IDCL (2,300 mg/kg) for the direct contact exposure pathway but is below the IDEM RISC IDCL (5,800 mg/kg) for the migration to groundwater exposure pathway. The fact that this soil sample interval was collected at a depth beneath which the direct contact exposure pathway is considered complete effectively eliminates cause for concern at present. However, considering that construction and/or redevelopment plans for this portion of the Site are not currently known, this sampling location may require remediation at some point in the future.

TPH-ERO was also detected at an elevated concentration (i.e., 6,720 mg/kg) in soil boring HSB-B103 (10-11.2 feet bgs) as shown on Figure 2. This concentration is above the IDEM RISC

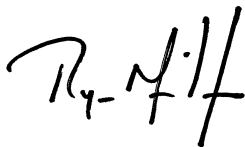
IDCL for both the direct contact and migration to groundwater exposure pathways. Although IDEM no longer requires evaluation of TPH parameters in groundwater, this source area may require additional assessment to evaluate its potential impact to groundwater as plans to develop a comprehensive VRP Remediation Work Plan are developed for the Site.

During the course of field activities, petroleum odors and/or elevated PID readings were noted during the installation of soil borings HSB-B102 and HSB-B103 (where RISC IDCLs for TPH-ERO were exceeded). For this reason, additional soil borings HSB-B107 and HSB-B108 were installed in an attempt to delineate COCs in this area of the Site. The installation of these additional soil borings appears to have defined the vertical and horizontal extent of TPH-ERO in soils in this portion of the Site.

Ultimately, all data collected at the Site (including the adjacent Allied Stamping Plant and Studebaker Foundry facilities) will be compiled into a Remediation Work Plan for the Site. At the time this report was prepared, given the fact that IDEM has requested that the Site's Voluntary Remediation Agreement be amended to include groundwater, and given the fact that the adjacent Studebaker Foundry is slated for demolition and additional environmental assessment activities in 2011, the extent to which additional assessment activities will be required is not completely understood. As we have discussed, few, if any, of the previously-installed monitoring wells remain, and a network of monitoring wells to evaluate source areas and potentially complete pathways to future on-Site and/or downgradient receptors will likely be necessary prior to preparation of a Remediation Work Plan.

We trust this information meets your needs at this time. If necessary, Hull will be happy to assist the City of South Bend with any communication about this report with the Indiana Voluntary Remediation Program. Should you have any questions about this investigation or our recommendations, please do not hesitate to contact either of the undersigned at (800) 241-7173.

Respectfully,



Ryan M. France
Project Scientist



Douglas G. Stuart, CHMM
Senior Project Manager

Attachments:

- Tables
- Figures
- Appendix A – Soil Boring Logs
- Appendix B – Laboratory Analytical Reports

TABLE

PHASE II ENVIRONMENTAL SITE ASSESSMENT

FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
SOUTH BEND, INDIANA

TABLE 1

SOIL LABORATORY ANALYSES
(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-O101	HSB-O101	HSB-O102	HSB-O102	HSB-O103	HSB-O103
Sample Date:				8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010
Laboratory Identification:				SBI060:HSB-O101:S005020	SBI060:HSB-O101:S020040	SBI060:HSB-O102:S0050070	SBI060:HSB-O102:S005020	SBI060:HSB-O103:S005020	SBI060:HSB-O103:S005070
Sample Depth:				0.5 - 2	2 - 4	0.5 - 0.7	0.5 - 2	0.5 - 2	5 - 7
TPH (Method 8015)									
Extended Range Organics	5800	2300	mg/kg	843 ^c	293	340	730	737	125
VOCs (Method 8260)									
1,1,1,2-Tetrachloroethane	75.91	7.24	mg/kg	NT ^d	NT	NT	NT	NT	NT
1,1,1-Trichloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	75.41	0.21	mg/kg	NT	NT	NT	NT	NT	NT
1,1,2-Trichloroethane	22.74	1000	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloroethane	973.47	0.08	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloroethene	0.15	1405.37	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloropropene	---e	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,3-Trichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,3-Trichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dibromoethane (EDB)	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	10000	0.37	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichloroethane	5.27	34.67	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	2416.67	1.05	mg/kg	NT	NT	NT	NT	NT	NT
2,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
2-Butanone (MEK)	1000	146.24	mg/kg	NT	NT	NT	NT	NT	NT
2-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
2-Hexanone	---	---	mg/kg	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
4-Methyl-2-Pentanone (MIBK)	10000	427.24	mg/kg	NT	NT	NT	NT	NT	NT
Acetone	1000	136.29	mg/kg	NT	NT	NT	NT	NT	NT
Acrolein	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Acrylonitrile	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Benzene	16.63	4.77	mg/kg	NT	NT	NT	NT	NT	NT
Bromobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromodichloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromoform	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Carbon Disulfide	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Carbon Tetrachloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT

PHASE II ENVIRONMENTAL SITE ASSESSMENT

FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
SOUTH BEND, INDIANA

TABLE 1

SOIL LABORATORY ANALYSES
(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-O101	HSB-O101	HSB-O102	HSB-O102	HSB-O103	HSB-O103
Sample Date:				8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010
Laboratory Identification:				SBI060:HSB-O101:S005020	SBI060:HSB-O101:S020040	SBI060:HSB-O102:S0050070	SBI060:HSB-O102:S005020	SBI060:HSB-O103:S005020	SBI060:HSB-O103:S005070
Sample Depth:				0.5 - 2	2 - 4	0.5 - 0.7	0.5 - 2	0.5 - 2	5 - 7
Chlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Chloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Chloroform	5.28	20.33	mg/kg	NT	NT	NT	NT	NT	NT
Chloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Cis-1,2-Dichloroethene	1000	102.49	mg/kg	NT	NT	NT	NT	NT	NT
Cis-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dibromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dibromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Ethyl Methacrylate	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Ethylbenzene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Hexachloro-1,3-Butadiene	1.78	31.18	mg/kg	NT	NT	NT	NT	NT	NT
Iodomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Isopropyl Benzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Methylene Chloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Methyl-Tert-Butyl Ether	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Naphthalene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT
N-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
N-Hexane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
N-Propylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
P-Isopropyltoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Sec-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Styrene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Tert-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Tetrachloroethene	101.23	8.01	mg/kg	NT	NT	NT	NT	NT	NT
Toluene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,2-Dichloroethene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,4-Dichloro-2-Butene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trichloroethene	24.97	25.73	mg/kg	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Vinyl Acetate	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Vinyl Chloride	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Xylene (Total)	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT

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TABLE 1

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(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-O103	HSB-O104	HSB-O104	HSB-O105	HSB-O105	HSB-72A01
Sample Date:				8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010
Laboratory Identification:				SBI060:HSB-O103:S050070A	SBI060:HSB-O104:S005020	SBI060:HSB-O104:S005070	SBI060:HSB-O105:S005020	SBI060:HSB-O105:S170187	SBI060:HSB-72A01:S005020
Sample Depth:				5 - 7	0.5 - 2	0.5 - 7	0.5 - 2	17 - 18.7	0.5 - 2
TPH (Method 8015)									
Extended Range Organics VOCs (Method 8260)	5800	2300	mg/kg	101	1350	106	667	<10.4	93.6
1,1,1,2-Tetrachloroethane	75.91	7.24	mg/kg	NT	NT	NT	NT	NT	NT
1,1,1-Trichloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	75.41	0.21	mg/kg	NT	NT	NT	NT	NT	NT
1,1,2-Trichloroethane	22.74	1000	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloroethane	973.47	0.08	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloroethene	0.15	1405.37	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,3-Trichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,3-Trichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dibromoethane (EDB)	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	10000	0.37	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichloroethane	5.27	34.67	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	2416.67	1.05	mg/kg	NT	NT	NT	NT	NT	NT
2,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
2-Butanone (MEK)	1000	146.24	mg/kg	NT	NT	NT	NT	NT	NT
2-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
2-Hexanone	---	---	mg/kg	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
4-Methyl-2-Pentanone (MIBK)	10000	427.24	mg/kg	NT	NT	NT	NT	NT	NT
Acetone	1000	136.29	mg/kg	NT	NT	NT	NT	NT	NT
Acrolein	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Acrylonitrile	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Benzene	16.63	4.77	mg/kg	NT	NT	NT	NT	NT	NT
Bromobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromodichloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromoform	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Carbon Disulfide	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Carbon Tetrachloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT

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SOUTH BEND, INDIANA

TABLE 1

SOIL LABORATORY ANALYSES
(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-O103	HSB-O104	HSB-O104	HSB-O105	HSB-O105	HSB-72A01
Sample Date:				8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010
Laboratory Identification:				SBI060:HSB-O103:S0050070A	SBI060:HSB-O104:S005020	SBI060:HSB-O104:S005070	SBI060:HSB-O105:S005020	SBI060:HSB-O105:S170187	SBI060:HSB-72A01:S005020
Sample Depth:				5 - 7	0.5 - 2	0.5 - 7	0.5 - 2	17 - 18.7	0.5 - 2
Chlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Chloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Chloroform	5.28	20.33	mg/kg	NT	NT	NT	NT	NT	NT
Chloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Cis-1,2-Dichloroethene	1000	102.49	mg/kg	NT	NT	NT	NT	NT	NT
Cis-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dibromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dibromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Ethyl Methacrylate	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Ethylbenzene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Hexachloro-1,3-Butadiene	1.78	31.18	mg/kg	NT	NT	NT	NT	NT	NT
Iodomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Isopropyl Benzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Methylene Chloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Methyl-Tert-Butyl Ether	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Naphthalene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT
N-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
N-Hexane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
N-Propylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
P-Isopropyltoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Sec-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Styrene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Tert-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Tetrachloroethene	101.23	8.01	mg/kg	NT	NT	NT	NT	NT	NT
Toluene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,2-Dichloroethene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,4-Dichloro-2-Butene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trichloroethene	24.97	25.73	mg/kg	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Vinyl Acetate	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Vinyl Chloride	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Xylene (Total)	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT

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 FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
 SOUTH BEND, INDIANA

TABLE 1
 SOIL LABORATORY ANALYSES
 (mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-72A01	HSB-72A02	HSB-72A02	HSB-72A03	HSB-72A03	HSB-72A04
Sample Date:				8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010
Laboratory Identification:				SBI060:HSB-72A01:S050070	SBI060:HSB-72A02:S005020	SBI060:HSB-72A02:S020040	SBI060:HSB-72A03:S005020	SBI060:HSB-72A03:S050070	SBI060:HSB-72A04:S005020
Sample Depth:				5 - 7	0.5 - 2	2 - 4	0.5 - 2	5 - 7	0.5 - 2
TPH (Method 8015)									
Extended Range Organics VOCs (Method 8260)	5800	2300	mg/kg	685	304	61.4	118	231	313
1,1,1,2-Tetrachloroethane	75.91	7.24	mg/kg	NT	NT	NT	NT	NT	NT
1,1,1-Trichloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	75.41	0.21	mg/kg	NT	NT	NT	NT	NT	NT
1,1,2-Trichloroethane	22.74	1000	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloroethane	973.47	0.08	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloroethene	0.15	1405.37	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,3-Trichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,3-Trichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dibromoethane (EDB)	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	10000	0.37	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichloroethane	5.27	34.67	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	2416.67	1.05	mg/kg	NT	NT	NT	NT	NT	NT
2,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
2-Butanone (MEK)	1000	146.24	mg/kg	NT	NT	NT	NT	NT	NT
2-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
2-Hexanone	---	---	mg/kg	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
4-Methyl-2-Pentanone (MIBK)	10000	427.24	mg/kg	NT	NT	NT	NT	NT	NT
Acetone	1000	136.29	mg/kg	NT	NT	NT	NT	NT	NT
Acrolein	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Acrylonitrile	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Benzene	16.63	4.77	mg/kg	NT	NT	NT	NT	NT	NT
Bromobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromodichloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromoform	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Carbon Disulfide	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Carbon Tetrachloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT

PHASE II ENVIRONMENTAL SITE ASSESSMENT

FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
SOUTH BEND, INDIANA

TABLE 1

SOIL LABORATORY ANALYSES
(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-72A01	HSB-72A02	HSB-72A02	HSB-72A03	HSB-72A03	HSB-72A04
Sample Date:				8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010
Laboratory Identification:				SBI060:HSB-72A01:S050070	SBI060:HSB-72A02:S005020	SBI060:HSB-72A02:S020040	SBI060:HSB-72A03:S005020	SBI060:HSB-72A03:S050070	SBI060:HSB-72A04:S005020
Sample Depth:				5 - 7	0.5 - 2	2 - 4	0.5 - 2	5 - 7	0.5 - 2
Chlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Chloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Chloroform	5.28	20.33	mg/kg	NT	NT	NT	NT	NT	NT
Chloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Cis-1,2-Dichloroethene	1000	102.49	mg/kg	NT	NT	NT	NT	NT	NT
Cis-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dibromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dibromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Ethyl Methacrylate	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Ethylbenzene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Hexachloro-1,3-Butadiene	1.78	31.18	mg/kg	NT	NT	NT	NT	NT	NT
Iodomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Isopropyl Benzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Methylene Chloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Methyl-Tert-Butyl Ether	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Naphthalene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT
N-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
N-Hexane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
N-Propylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
P-Isopropyltoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Sec-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Styrene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Tert-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Tetrachloroethene	101.23	8.01	mg/kg	NT	NT	NT	NT	NT	NT
Toluene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,2-Dichloroethene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,4-Dichloro-2-Butene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trichloroethene	24.97	25.73	mg/kg	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Vinyl Acetate	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Vinyl Chloride	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Xylene (Total)	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT

PHASE II ENVIRONMENTAL SITE ASSESSMENT
FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
SOUTH BEND, INDIANA

TABLE 1
SOIL LABORATORY ANALYSES
(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-72A04	HSB-72A05	HSB-72A05	HSB-B101	HSB-B101	HSB-B102
Sample Date:				8/19/2010	8/19/2010	8/19/2010	8/20/2010	8/20/2010	8/20/2010
Laboratory Identification:				SBI060:HSB-72A04:S020040	SBI060:HSB-72A05:S005020	SBI060:HSB-72A05:S050070	SBI060:HSB-B101:S005020	SBI060:HSB-B101:S070080	SBI060:HSB-B102:S005020
Sample Depth:				2 - 4	0.5 - 2	5 - 7	0.5 - 2	7 - 8	0.5 - 2
TPH (Method 8015)									
Extended Range Organics	5800	2300	mg/kg	270	137	304	877	746	178
VOCs (Method 8260)									
1,1,1,2-Tetrachloroethane	75.91	7.24	mg/kg	NT	NT	NT	NT	NT	NT
1,1,1-Trichloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	75.41	0.21	mg/kg	NT	NT	NT	NT	NT	NT
1,1,2-Trichloroethane	22.74	1000	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloroethane	973.47	0.08	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloroethene	0.15	1405.37	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,3-Trichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,3-Trichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dibromoethane (EDB)	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	10000	0.37	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichloroethane	5.27	34.67	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	2416.67	1.05	mg/kg	NT	NT	NT	NT	NT	NT
2,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
2-Butanone (MEK)	1000	146.24	mg/kg	NT	NT	NT	NT	NT	NT
2-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
2-Hexanone	---	---	mg/kg	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
4-Methyl-2-Pentanone (MIBK)	10000	427.24	mg/kg	NT	NT	NT	NT	NT	NT
Acetone	1000	136.29	mg/kg	NT	NT	NT	NT	NT	NT
Acrolein	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Acrylonitrile	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Benzene	16.63	4.77	mg/kg	NT	NT	NT	NT	NT	NT
Bromobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromodichloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromoform	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Carbon Disulfide	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Carbon Tetrachloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT

PHASE II ENVIRONMENTAL SITE ASSESSMENT

FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
SOUTH BEND, INDIANA

TABLE 1

SOIL LABORATORY ANALYSES
(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-72A04	HSB-72A05	HSB-72A05	HSB-B101	HSB-B101	HSB-B102
Sample Date:				8/19/2010	8/19/2010	8/19/2010	8/20/2010	8/20/2010	8/20/2010
Laboratory Identification:				SBI060:HSB-72A04:S020040	SBI060:HSB-72A05:S005020	SBI060:HSB-72A05:S050070	SBI060:HSB-B101:S005020	SBI060:HSB-B101:S070080	SBI060:HSB-B102:S005020
Sample Depth:				2 - 4	0.5 - 2	5 - 7	0.5 - 2	7 - 8	0.5 - 2
Chlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Chloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Chloroform	5.28	20.33	mg/kg	NT	NT	NT	NT	NT	NT
Chloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Cis-1,2-Dichloroethene	1000	102.49	mg/kg	NT	NT	NT	NT	NT	NT
Cis-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dibromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dibromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Ethyl Methacrylate	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Ethylbenzene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Hexachloro-1,3-Butadiene	1.78	31.18	mg/kg	NT	NT	NT	NT	NT	NT
Iodomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Isopropyl Benzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Methylene Chloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Methyl-Tert-Butyl Ether	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Naphthalene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT
N-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
N-Hexane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
N-Propylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
P-Isopropyltoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Sec-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Styrene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Tert-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Tetrachloroethene	101.23	8.01	mg/kg	NT	NT	NT	NT	NT	NT
Toluene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,2-Dichloroethene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,4-Dichloro-2-Butene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trichloroethene	24.97	25.73	mg/kg	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Vinyl Acetate	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Vinyl Chloride	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Xylene (Total)	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT

PHASE II ENVIRONMENTAL SITE ASSESSMENT
FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
SOUTH BEND, INDIANA

TABLE 1
SOIL LABORATORY ANALYSES
(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-B102	HSB-B103	HSB-B103	HSB-B103	HSB-B104	HSB-B104
Sample Date:				8/20/2010	8/20/2010	8/20/2010	8/20/2010	8/20/2010	8/20/2010
Laboratory Identification:				SBI060:HSB-B102:S100114	SBI060:HSB-B103:S005020	SBI060:HSB-B103:S100112	SBI060:HSB-B103:S100112A	SBI060:HSB-B104:S005020	SBI060:HSB-B104:S020040
Sample Depth:				10 - 11.4	0.5 - 2	10 - 11.2	10 - 11.2	0.5 - 2	2 - 4
TPH (Method 8015)									
Extended Range Organics	5800	2300	mg/kg	3360 ^f	529	6720	NT	303	509
VOCs (Method 8260)									
1,1,1,2-Tetrachloroethane	75.91	7.24	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,1,1-Trichloroethane	1000	1000	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,1,2,2-Tetrachloroethane	75.41	0.21	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,1,2-Trichloroethane	22.74	1000	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,1-Dichloroethane	973.47	0.08	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,1-Dichloroethene	0.15	1405.37	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,1-Dichloropropene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,2,3-Trichlorobenzene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,2,3-Trichloropropane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,2,4-Trichlorobenzene	10000	10000	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,2,4-Trimethylbenzene	---	---	mg/kg	0.0044	NT	0.388	0.386	NT	<0.004
1,2-Dibromoethane (EDB)	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,2-Dichlorobenzene	10000	0.37	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,2-Dichloroethane	5.27	34.67	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,2-Dichloropropane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,3,5-Trimethylbenzene	---	---	mg/kg	<0.0038	NT	0.175	0.169	NT	<0.004
1,3-Dichlorobenzene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,3-Dichloropropane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
1,4-Dichlorobenzene	2416.67	1.05	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
2,2-Dichloropropane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
2-Butanone (MEK)	1000	146.24	mg/kg	<0.019	NT	<0.476	<0.47	NT	<0.0202
2-Chlorotoluene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
2-Hexanone	---	---	mg/kg	<0.0758	NT	<1.9	<1.88	NT	<0.081
4-Chlorotoluene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
4-Methyl-2-Pentanone (MIBK)	10000	427.24	mg/kg	<0.019	NT	<0.476	<0.47	NT	<0.0202
Acetone	1000	136.29	mg/kg	<0.0758	NT	<1.9	<1.88	NT	<0.081
Acrolein	---	---	mg/kg	<0.0758	NT	<1.9	<1.88	NT	<0.081
Acrylonitrile	---	---	mg/kg	<0.0758	NT	<1.9	<1.88	NT	<0.081
Benzene	16.63	4.77	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Bromobenzene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Bromochloromethane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Bromodichloromethane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Bromoform	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Bromomethane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Carbon Disulfide	---	---	mg/kg	<0.0076	NT	<0.19	<0.188	NT	<0.0081
Carbon Tetrachloride	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004

PHASE II ENVIRONMENTAL SITE ASSESSMENT

FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
SOUTH BEND, INDIANA

TABLE 1

SOIL LABORATORY ANALYSES
(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-B102	HSB-B103	HSB-B103	HSB-B103	HSB-B104	HSB-B104
Sample Date:				8/20/2010	8/20/2010	8/20/2010	8/20/2010	8/20/2010	8/20/2010
Laboratory Identification:				SBI060:HSB-B102:S100114	SBI060:HSB-B103:S005020	SBI060:HSB-B103:S100112	SBI060:HSB-B103:S100112A	SBI060:HSB-B104:S005020	SBI060:HSB-B104:S020040
Sample Depth:				10 - 11.4	0.5 - 2	10 - 11.2	10 - 11.2	0.5 - 2	2 - 4
Chlorobenzene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Chloroethane	1000	1000	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Chloroform	5.28	20.33	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Chloromethane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Cis-1,2-Dichloroethene	1000	102.49	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Cis-1,3-Dichloropropene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Dibromochloromethane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Dibromomethane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Dichlorodifluoromethane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Ethyl Methacrylate	---	---	mg/kg	<0.0076	NT	<0.19	<0.188	NT	<0.0081
Ethylbenzene	1000	1000	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Hexachloro-1,3-Butadiene	1.78	31.18	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Iodomethane	---	---	mg/kg	<0.0758	NT	<1.9	<1.88	NT	<0.081
Isopropyl Benzene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Methylene Chloride	---	---	mg/kg	<0.0152	NT	<0.381	<0.376	NT	<0.0162
Methyl-Tert-Butyl Ether	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Naphthalene	10000	10000	mg/kg	<0.0038	NT	0.41	0.403	NT	<0.004
N-Butylbenzene	---	---	mg/kg	<0.0038	NT	0.165	0.164	NT	<0.004
N-Hexane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
N-Propylbenzene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
P-Isopropyltoluene	---	---	mg/kg	<0.0038	NT	0.112	0.109	NT	<0.004
Sec-Butylbenzene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Styrene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Tert-Butylbenzene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Tetrachloroethene	101.23	8.01	mg/kg	0.0038	NT	<0.0952	<0.094	NT	<0.004
Toluene	1000	1000	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Trans-1,2-Dichloroethene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Trans-1,3-Dichloropropene	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Trans-1,4-Dichloro-2-Butene	---	---	mg/kg	<0.0758	NT	<1.9	<1.88	NT	<0.081
Trichloroethene	24.97	25.73	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Trichlorofluoromethane	---	---	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Vinyl Acetate	---	---	mg/kg	<0.0758	NT	<1.9	<1.88	NT	<0.081
Vinyl Chloride	1000	1000	mg/kg	<0.0038	NT	<0.0952	<0.094	NT	<0.004
Xylene (Total)	1000	1000	mg/kg	<0.0076	NT	<0.19	<0.188	NT	<0.0081

PHASE II ENVIRONMENTAL SITE ASSESSMENT

FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
SOUTH BEND, INDIANA

TABLE 1

SOIL LABORATORY ANALYSES
(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-B105	HSB-B105	HSB-B105	HSB-B106	HSB-B106	HSB-B107
Sample Date:				8/20/2010	8/20/2010	8/20/2010	8/20/2010	8/20/2010	8/20/2010
Laboratory Identification:				SBI060:HSB-B105:S005020	SBI060:HSB-B105:S005020A	SBI060:HSB-B105:S020040	SBI060:HSB-B106:S005020	SBI060:HSB-B106:S020040	SBI060:HSB-B107:S005020
Sample Depth:				0.5 - 2	0.5 - 2	2 - 4	0.5 - 2	2 - 4	0.5 - 2
TPH (Method 8015)									
Extended Range Organics	5800	2300	mg/kg	391	254	146	350	155	218
VOCs (Method 8260)									
1,1,1,2-Tetrachloroethane	75.91	7.24	mg/kg	NT	NT	NT	NT	NT	NT
1,1,1-Trichloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	75.41	0.21	mg/kg	NT	NT	NT	NT	NT	NT
1,1,2-Trichloroethane	22.74	1000	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloroethane	973.47	0.08	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloroethene	0.15	1405.37	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,3-Trichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,3-Trichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dibromoethane (EDB)	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	10000	0.37	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichloroethane	5.27	34.67	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	2416.67	1.05	mg/kg	NT	NT	NT	NT	NT	NT
2,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
2-Butanone (MEK)	1000	146.24	mg/kg	NT	NT	NT	NT	NT	NT
2-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
2-Hexanone	---	---	mg/kg	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
4-Methyl-2-Pentanone (MIBK)	10000	427.24	mg/kg	NT	NT	NT	NT	NT	NT
Acetone	1000	136.29	mg/kg	NT	NT	NT	NT	NT	NT
Acrolein	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Acrylonitrile	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Benzene	16.63	4.77	mg/kg	NT	NT	NT	NT	NT	NT
Bromobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromodichloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromoform	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Carbon Disulfide	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Carbon Tetrachloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT

PHASE II ENVIRONMENTAL SITE ASSESSMENT

FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
SOUTH BEND, INDIANA

TABLE 1

SOIL LABORATORY ANALYSES
(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-B105	HSB-B105	HSB-B105	HSB-B106	HSB-B106	HSB-B107
Sample Date:				8/20/2010	8/20/2010	8/20/2010	8/20/2010	8/20/2010	8/20/2010
Laboratory Identification:				SBI060:HSB-B105:S005020	SBI060:HSB-B105:S005020A	SBI060:HSB-B105:S020040	SBI060:HSB-B106:S005020	SBI060:HSB-B106:S020040	SBI060:HSB-B107:S005020
Sample Depth:				0.5 - 2	0.5 - 2	2 - 4	0.5 - 2	2 - 4	0.5 - 2
Chlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Chloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Chloroform	5.28	20.33	mg/kg	NT	NT	NT	NT	NT	NT
Chloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Cis-1,2-Dichloroethene	1000	102.49	mg/kg	NT	NT	NT	NT	NT	NT
Cis-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dibromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dibromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Ethyl Methacrylate	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Ethylbenzene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Hexachloro-1,3-Butadiene	1.78	31.18	mg/kg	NT	NT	NT	NT	NT	NT
Iodomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Isopropyl Benzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Methylene Chloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Methyl-Tert-Butyl Ether	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Naphthalene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT
N-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
N-Hexane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
N-Propylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
P-Isopropyltoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Sec-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Styrene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Tert-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Tetrachloroethene	101.23	8.01	mg/kg	NT	NT	NT	NT	NT	NT
Toluene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,2-Dichloroethene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,4-Dichloro-2-Butene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trichloroethene	24.97	25.73	mg/kg	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Vinyl Acetate	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Vinyl Chloride	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Xylene (Total)	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT

PHASE II ENVIRONMENTAL SITE ASSESSMENT
FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
SOUTH BEND, INDIANA

TABLE 1
SOIL LABORATORY ANALYSES
(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-B107	HSB-B108	HSB-B108	HSB-SA01	HSB-SA01	HSB-SA02
Sample Date:				8/20/2010	8/20/2010	8/20/2010	8/19/2010	8/19/2010	8/19/2010
Laboratory Identification:				SBI060:HSB-B107:S100120	SBI060:HSB-B108:S005020	SBI060:HSB-B108:S100120	SBI060:HSB-SA01:S005020	SBI060:HSB-SA01:S020040	SBI060:HSB-SA02:S005020
Sample Depth:				10 - 12	0.5 - 2	10 - 12	0.5 - 2	2 - 4	0.5 - 2
TPH (Method 8015)									
Extended Range Organics VOCs (Method 8260)	5800	2300	mg/kg	<10.6	182	<10.8	165	298	138
1,1,1,2-Tetrachloroethane	75.91	7.24	mg/kg	NT	NT	NT	NT	NT	NT
1,1,1-Trichloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	75.41	0.21	mg/kg	NT	NT	NT	NT	NT	NT
1,1,2-Trichloroethane	22.74	1000	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloroethane	973.47	0.08	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloroethene	0.15	1405.37	mg/kg	NT	NT	NT	NT	NT	NT
1,1-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,3-Trichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,3-Trichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dibromoethane (EDB)	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	10000	0.37	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichloroethane	5.27	34.67	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	2416.67	1.05	mg/kg	NT	NT	NT	NT	NT	NT
2,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
2-Butanone (MEK)	1000	146.24	mg/kg	NT	NT	NT	NT	NT	NT
2-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
2-Hexanone	---	---	mg/kg	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
4-Methyl-2-Pentanone (MIBK)	10000	427.24	mg/kg	NT	NT	NT	NT	NT	NT
Acetone	1000	136.29	mg/kg	NT	NT	NT	NT	NT	NT
Acrolein	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Acrylonitrile	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Benzene	16.63	4.77	mg/kg	NT	NT	NT	NT	NT	NT
Bromobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromodichloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromoform	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Bromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Carbon Disulfide	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Carbon Tetrachloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT

PHASE II ENVIRONMENTAL SITE ASSESSMENT

FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
SOUTH BEND, INDIANA

TABLE 1

SOIL LABORATORY ANALYSES
(mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-B107	HSB-B108	HSB-B108	HSB-SA01	HSB-SA01	HSB-SA02
Sample Date:				8/20/2010	8/20/2010	8/20/2010	8/19/2010	8/19/2010	8/19/2010
Laboratory Identification:				SBI060:HSB-B107:S100120	SBI060:HSB-B108:S005020	SBI060:HSB-B108:S100120	SBI060:HSB-SA01:S005020	SBI060:HSB-SA01:S020040	SBI060:HSB-SA02:S005020
Sample Depth:				10 - 12	0.5 - 2	10 - 12	0.5 - 2	2 - 4	0.5 - 2
Chlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Chloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Chloroform	5.28	20.33	mg/kg	NT	NT	NT	NT	NT	NT
Chloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Cis-1,2-Dichloroethene	1000	102.49	mg/kg	NT	NT	NT	NT	NT	NT
Cis-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dibromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dibromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Ethyl Methacrylate	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Ethylbenzene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Hexachloro-1,3-Butadiene	1.78	31.18	mg/kg	NT	NT	NT	NT	NT	NT
Iodomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Isopropyl Benzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Methylene Chloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Methyl-Tert-Butyl Ether	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Naphthalene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT
N-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
N-Hexane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
N-Propylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
P-Isopropyltoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Sec-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Styrene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Tert-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Tetrachloroethene	101.23	8.01	mg/kg	NT	NT	NT	NT	NT	NT
Toluene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,2-Dichloroethene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trans-1,4-Dichloro-2-Butene	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Trichloroethene	24.97	25.73	mg/kg	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Vinyl Acetate	---	---	mg/kg	NT	NT	NT	NT	NT	NT
Vinyl Chloride	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT
Xylene (Total)	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT

PHASE II ENVIRONMENTAL SITE ASSESSMENT
 FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
 SOUTH BEND, INDIANA

TABLE 1
 SOIL LABORATORY ANALYSES
 (mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-SA02	HSB-SA03	HSB-SA03	HSB-SA04	HSB-SA04	HSB-SA05	HSB-SA05
Sample Date:				8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010
Laboratory Identification:				SBI060:HSB-SA02:S020040	SBI060:HSB-SA03:S005020	SBI060:HSB-SA03:S020039	SBI060:HSB-SA04:S005020	SBI060:HSB-SA04:S020040	SBI060:HSB-SA05:S005020	SBI060:HSB-SA05:S0170181
Sample Depth:				2 - 4	0.5 - 2	2 - 3.9	0.5 - 2	2 - 4	0.5 - 2	1.7 - 1.8
TPH (Method 8015)										
Extended Range Organics VOCs (Method 8260)	5800	2300	mg/kg	583	697	632	66.6	305	272	<10.4
1,1,1,2-Tetrachloroethane	75.91	7.24	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,1,1-Trichloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	75.41	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,1,2-Trichloroethane	22.74	1000	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloroethane	973.47	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloroethene	0.15	1405.37	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,2,3-Trichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,2,3-Trichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,2-Dibromoethane (EDB)	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	10000	0.37	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,2-Dichloroethane	5.27	34.67	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,3-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	2416.67	1.05	mg/kg	NT	NT	NT	NT	NT	NT	NT
2,2-Dichloropropane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
2-Butanone (MEK)	1000	146.24	mg/kg	NT	NT	NT	NT	NT	NT	NT
2-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
2-Hexanone	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
4-Methyl-2-Pentanone (MIBK)	10000	427.24	mg/kg	NT	NT	NT	NT	NT	NT	NT
Acetone	1000	136.29	mg/kg	NT	NT	NT	NT	NT	NT	NT
Acrolein	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Acrylonitrile	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Benzene	16.63	4.77	mg/kg	NT	NT	NT	NT	NT	NT	NT
Bromobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Bromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Bromodichloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Bromoform	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Bromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Carbon Disulfide	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Carbon Tetrachloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT

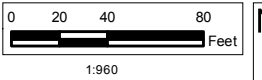
PHASE II ENVIRONMENTAL SITE ASSESSMENT
 FORMER SOUTH BEND LATHE AND HUCKINS TOOL DIE PROPERTIES
 SOUTH BEND, INDIANA

TABLE 1
 SOIL LABORATORY ANALYSES
 (mg/kg)

Sample Identification:	1996 VRP Non Residential Surface Soil ^a	1996 VRP Non Residential Subsurface Soil ^b	Reporting Units	HSB-SA02	HSB-SA03	HSB-SA03	HSB-SA04	HSB-SA04	HSB-SA05	HSB-SA05
Sample Date:				8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010	8/19/2010
Laboratory Identification:				SBI060:HSB-SA02:S020040	SBI060:HSB-SA03:S005020	SBI060:HSB-SA03:S020039	SBI060:HSB-SA04:S005020	SBI060:HSB-SA04:S020040	SBI060:HSB-SA05:S005020	SBI060:HSB-SA05:S0170181
Sample Depth:				2 - 4	0.5 - 2	2 - 3.9	0.5 - 2	2 - 4	0.5 - 2	1.7 - 1.8
Chlorobenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Chloroethane	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT	NT
Chloroform	5.28	20.33	mg/kg	NT	NT	NT	NT	NT	NT	NT
Chloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Cis-1,2-Dichloroethene	1000	102.49	mg/kg	NT	NT	NT	NT	NT	NT	NT
Cis-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Dibromochloromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Dibromomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Ethyl Methacrylate	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Ethylbenzene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT	NT
Hexachloro-1,3-Butadiene	1.78	31.18	mg/kg	NT	NT	NT	NT	NT	NT	NT
Iodomethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Isopropyl Benzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Methylene Chloride	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Methyl-Tert-Butyl Ether	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Naphthalene	10000	10000	mg/kg	NT	NT	NT	NT	NT	NT	NT
N-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
N-Hexane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
N-Propylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
P-Isopropyltoluene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Sec-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Styrene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Tert-Butylbenzene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethene	101.23	8.01	mg/kg	NT	NT	NT	NT	NT	NT	NT
Toluene	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT	NT
Trans-1,2-Dichloroethene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Trans-1,3-Dichloropropene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Trans-1,4-Dichloro-2-Butene	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Trichloroethene	24.97	25.73	mg/kg	NT	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Vinyl Acetate	---	---	mg/kg	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT	NT
Xylene (Total)	1000	1000	mg/kg	NT	NT	NT	NT	NT	NT	NT

- Notes:
- a. For TPH-ERO, results are compared to the IDEM RISC IDCL for the direct contact exposure pathway.
 - b. For TPH-ERO, results are compared to the IDEM RISC IDCL for the migration to ground water exposure pathway.
 - c. Values shown in **bold** indicate detection of parameter by laboratory at concentration above laboratory detection limit.
 - d. NT - Not tested.
 - e. -- No standard.
 - f. Values shown in **bold** and *italics* indicate that value exceeds the 1996 VRP Non-Residential Closure Level or the IDEM RISC IDCL.

FIGURES



MUNICIPAL SERVICES BLDG

SAMPLE STREET

SOUTH BEND LATHE (PROPERTY C)

Inset Scale: 1"=20'

Legend

- ◆ Hull Soil Boring Installed Aug. 2010
- ◆ Post-Demolition Soil Samples (Collected by Weaver-Bros)
- Area A - Pre-2002 Assessments
 - ◆ 7/1992 Soil Borings and Monitoring Wells Installed by EIS (B-#)
 - ◆ 5/1995 Monitoring Wells Installed by APT, Inc. (TB-#,MW-#/S/D)
 - ◆ 5/1995 Soil Borings Installed by APT, Inc. (HP-#)
 - ◆ Dry Well
- Area A - 9/2002 Hull Soil Borings and Monitoring Wells
 - ◆ Deep Monitoring Well Locations (HMW-#D)
 - ◆ Monitoring Well Nest Locations, S=Shallow, I=Intermediate (HMW-#S/I)
 - ◆ Soil Boring to 4 Feet (GB-#)
 - ◆ Soil Boring to 25 Feet (SB-#)
- Weaver-Bros Sample Locations
 - ◆ Approximate Core Location with Core Only (March 2008 through August 2009)
 - ◆ Approximate Core Location with Boring (March 2008 through August 2009)



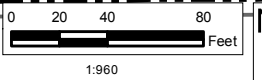
6435 Castleway West Dr. Phone: (800) 241-7173
Suite 119 Fax: (614) 793.9070
Indianapolis, IN 46250 www.hullinc.com

November 2010
Additional Phase II ESA

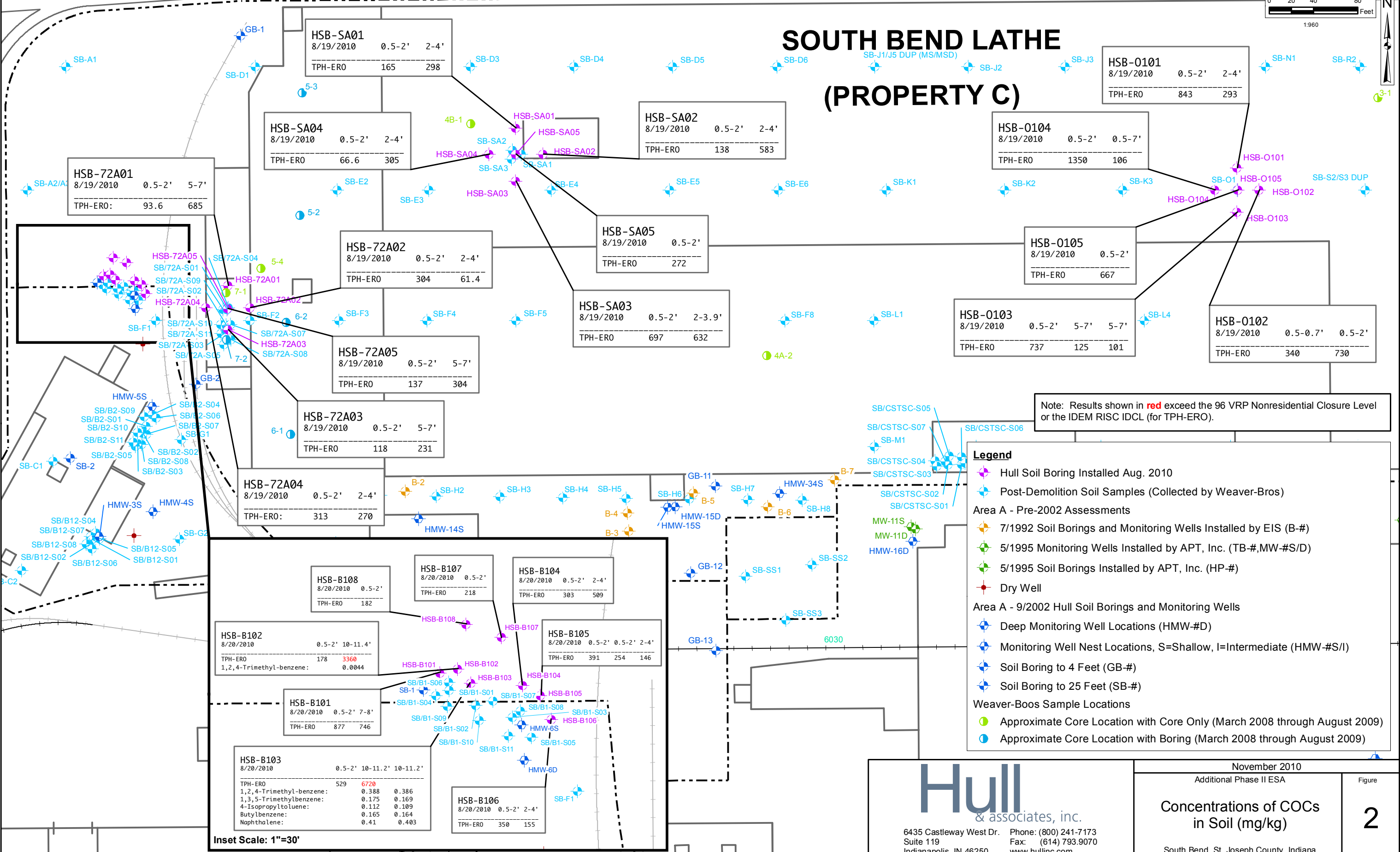
Sampling Locations

Figure
1

South Bend, St. Joseph County, Indiana



SOUTH BEND LATHE (PROPERTY C)



Note: Results shown in red exceed the 96 VRP Nonresidential Closure Level or the IDEM RISC IDCL (for TPH-ERO).

Legend

- ◆ Hull Soil Boring Installed Aug. 2010
- ◆ Post-Demolition Soil Samples (Collected by Weaver-Bros)
- Area A - Pre-2002 Assessments
 - ◆ 7/1992 Soil Borings and Monitoring Wells Installed by EIS (B-#)
 - ◆ 5/1995 Monitoring Wells Installed by APT, Inc. (TB-#, MW-#/S/D)
 - ◆ 5/1995 Soil Borings Installed by APT, Inc. (HP-#)
- ◆ Dry Well
- Area A - 9/2002 Hull Soil Borings and Monitoring Wells
 - ◆ Deep Monitoring Well Locations (HMW-#D)
 - ◆ Monitoring Well Nest Locations, S=Shallow, I=Intermediate (HMW-#/S/I)
 - ◆ Soil Boring to 4 Feet (GB-#)
 - ◆ Soil Boring to 25 Feet (SB-#)
- Weaver-Boos Sample Locations
 - Approximate Core Location with Core Only (March 2008 through August 2009)
 - Approximate Core Location with Boring (March 2008 through August 2009)

Inset Scale: 1"=30'



6435 Castleway West Dr. Suite 119 Indianapolis, IN 46250
Phone: (800) 241-7173 Fax: (614) 793.9070 www.hullinc.com

November 2010
Additional Phase II ESA
Concentrations of COCs in Soil (mg/kg)
South Bend, St. Joseph County, Indiana
Figure 2

APPENDIX A

Soil Boring Logs



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 24.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-SA05

(Page 1 of 2)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	5.0/3.8	DP1/SS1	0.1	NA			0.0 to 0.5 - TOPSOIL/FILL				
1							0.5 to 3.8 - Loose dark brown medium grain SAND & GRAVEL, dry.				
2		DP1/SS2	0.3	NA							
3											
4											
5	5.0/3.5	DP2/SS3	0.1	NA			5.0 to 8.5 - Loose brown medium grain SAND, few gravel, dry.				
6											
7		DP2/SS4	0.0	NA							
8											
9											
10	5.0/3.3	DP3/SS5	0.0	NA			10.0 to 13.3 - Same As Above (SAA)				
11											
12		DP3/SS6	0.1	NA							
13											
14											
15	5.0/3.1	DP4/SS7	0.0	NA			15.0 to 18.1 - SAA				
16											

Remarks:

Soil samples SBI060:HSBSA05:S005020 and SBI060:HSBSA05:S170181 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 24.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-SA05

(Page 2 of 2)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
16											
17		DP4/SS8	0.0	NA							
18											
19											
20	5.0/2.3	DP5/SS9	0.0	NA							20.0 to 24.0 - SAA, wet @ 20.0
21											
22											
23											
24											End of boring.
25											
26											
27											
28											
29											
30											
31											
32											

Remarks:

Soil samples SBI060:HSBSA05:S005020 and SBI060:HSBSA05:S170181 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-72A01

(Page 1 of 1)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	5.0/4.1	DP1/SS1	0.0	NA			0.0 to 0.5 - TOPSOIL/FILL.				
1							0.5 to 4.1 - Loose dark brown medium grain SAND & GRAVEL, slightly moist, staining 2-4'.				
2		DP1/SS2	0.1	NA							
3											
4											
5	5.0/3.6	DP2/SS3	0.2	NA			5.0 to 8.6 - Same As Above (SAA): staining 6.5 - 7.0'				
6											
7		DP2/SS4	0.1	NA							
8											
9											
10	5.0/3.0	DP3/SS5	0.0	NA			10.0 to 12.0 - SAA, brown and black.				
11											
12		DP3/SS6	0.0	NA			12.0 to 13.0 - Loose light brown medium grain SAND & GRAVEL, slightly moist.				
13											
14											
15							End of boring.				
16											

Remarks:

Soil samples SBI060:72A01:S005020 and SBI060:HSB72A01:S050070 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-72A02

(Page 1 of 1)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels
							Sample Interval Lab Sample	Static During drilling
							DESCRIPTION	
0	5.0/4.2	DP1/SS1	0.0	NA			0.0 to 0.5 - TOPSOIL/FILL.	
1							0.5 to 4.2 - Loose brown and black medium grain SAND & GRAVEL, slightly moist, stained black.	
2		DP1/SS2	0.1	NA				
3								
4								
5	5.0/3.7	DP2/SS3	0.1	NA			5.0 to 8.7 - Loose brown medium grain SAND & GRAVEL, slightly moist.	
6								
7		DP2/SS4	0.0	NA				
8								
9								
10	5.0/3.4	DP3/SS5	0.0	NA			10.0 to 13.4 - Same As Above (SAA)	
11								
12		DP3/SS6	0.1	NA				
13								
14								
15							End of boring.	
16								

Remarks:

Soil samples SBI060:HSB72A02:S005020 and SBI060:HSB72A02:S020042 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-72A03

(Page 1 of 1)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels
							Sample Interval Lab Sample	Static During drilling
							DESCRIPTION	
0	5.0/4.0	DP1/SS1	0.1	NA			0.0 to 0.5 - TOPSOIL/FILL.	
1							0.5 to 4.0 - Loose brown and black medium grain SAND & GRAVEL, dry.	
2		DP1/SS2	0.0	NA				
3								
4								
5	5.0/3.4	DP2/SS3	0.2	NA			5.0 to 8.7 - Same As Above (SAA)	
6								
7		DP2/SS4	0.0	NA				
8								
9								
10	5.0/3.1	DP3/SS5	0.1	NA			10.0 to 13.1 - Loose brown medium grain SAND & GRAVEL, slightly moist.	
11								
12		DP3/SS6	0.1	NA				
13								
14								
15							End of boring.	
16								

Remarks:

Soil samples SBI060:72A03:S005020 and SBI060:HSB72A03:S050070 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-72A04

(Page 1 of 1)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	5.0/4.2	DP1/SS1	0.0	NA			0.0 to 0.5 - TOPSOIL/FILL.				
1							0.5 to 4.2 - Loose dark brown and black medium grain SAND & GRAVEL, slightly moist to dry, crushed brick @ 3.2', possible staining 2-4'.				
2		DP1/SS2	0.0	NA							
3											
4											
5	5.0/2.7	DP2/SS3	0.1	NA			5.0 to 7.7 - Loose brown medium grain SAND & GRAVEL, dry.				
6											
7		DP2/SS4	0.0	NA							
8											
9											
10	5.0/3.0	DP3/SS5	0.0	NA			10.0 to 13.0 - Same As Above (SAA)				
11											
12		DP3/SS6	0.0	NA							
13											
14											
15							End of boring.				
16											

Remarks:

Soil samples SBI060:72A04:S005020 and SBI060:HSB72A04:S020042 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 20.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-72A05

(Page 1 of 2)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval Lab Sample	Static During drilling			
							DESCRIPTION				
0	5.0/3.0	DP1/SS1	0.0	NA							0.0 to 0.5 - TOPSOIL/FILL.
1											0.5 to 3.0 - Loose dark brown medium grain SAND & GRAVEL, slightly moist.
2		DP1/SS2	0.1	NA							
3											
4											
5	5.0/2.8	DP2/SS3	0.1	NA							5.0 to 7.8 - Same As Above (SAA): brown @ 7.6', possible staining 5-7'.
6											
7		DP2/SS4	0.1	NA							
8											
9											
10	5.0/3.2	DP3/SS5	NA	NA							10.0 to 13.2 - Loose brown to light brown medium grain SAND & GRAVEL, dry.
11											
12											
13											
14											
15	5.0/4.2	DP4/SS6	NA	NA							15.0 to 19.2 - Loose light brown medium to coarse grain SAND & GRAVEL, wet @ 18.5'.
16											

Remarks:

Soil samples SBI060:HSB72A05:S005020 and SBI060:HSB72A05:S050070 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 20.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-72A05

(Page 2 of 2)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels	
							Sample Interval	Lab Sample	Static	During drilling
DESCRIPTION										
16										
17										
18										
19										
20										
End of boring.										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										

Remarks:

Soil samples SBI060:HSB72A05:S005020 and SBI060:HSB72A05:S050070 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-0101

(Page 1 of 1)

Former Studebaker Site
 South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels
							Sample Interval Lab Sample	Static During drilling
							DESCRIPTION	
0	5.0/4.1	DP1/SS1	0.2	NA			0.0 TO 0.5 - TOPSOIL/FILL.	
1							0.5 to 4.1 - Loose brown to dark brown medium grain SOIL & GRAVEL, slightly moist, staining possible 3-4'.	
2		DP1/SS2	0.1	NA				
3								
4								
5	5.0/3.8	DP2/SS3	0.2	NA			5.0 to 8.5 - Same As Above (SAA).	
6								
7		DP2/SS4	0.1	NA				
8								
9								
10	5.0/3.6	DP3/SS5	0.1	NA			10.0 to 13.6 - Loose light brown medium grain SOIL & GRAVEL, slightly moist.	
11								
12		DP3/SS6	0.0	NA				
13								
14								
15							End of boring.	
16								

Remarks:

Soil samples SBI060:HSB0101:S005020 and SBI060:HSB0101:S020041 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-O102

(Page 1 of 1)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels			
							Sample Interval	Lab Sample	Static	During drilling		
							DESCRIPTION					
0	5.0/4.2	DP1/SS1	0.0	NA			0.0 to 0.5 - TOPSOIL/FILL.					
1							0.5 to 4.2 - Loose dark brown medium grain SAND & GRAVEL, slightly moist.					
2		DP1/SS2	0.1	NA								
3												
4												
5	5.0/3.1	DP2/SS3	0.0	NA				5.0 to 8.1 - Same As Above (SAA): staining 5-7'				
6												
7		DP2/SS4	0.3	NA								
8												
9												
10	5.0/3.2	DP3/SS5	0.0	NA			10.0 to 13.2 - Loose light brown medium grain SAND & GRAVEL, slightly moist.					
11												
12		DP3/SS6	0.0	NA								
13												
14												
15							End of boring.					
16												

Remarks:

Soil samples SBI060:HSBO102:S005020 and SBI060:HSBO102:S050070 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-O104

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Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	5.0/4.2	DP1/SS1	0.3	NA			0.0 to 0.5 - TOPSOIL/FILL.				
1							0.5 to 4.2 - Loose dark brown medium grain SAND & GRAVEL, slightly moist.				
2		DP1/SS2	0.2	NA							
3											
4											
5	5.0/3.8	DP2/SS3	0.1	NA			5.0 to 8.8 - Same As Above (SAA) : possible staining 5-7'				
6											
7		DP2/SS4	0.1	NA							
8											
9											
10	5.0/3.5	DP3/SS5	0.0	NA			10.0 to 13.5 - Loose light brown medium grain SAND & GRAVEL, dry.				
11											
12		DP3/SS6	0.1	NA							
13											
14											
15							End of boring.				
16											

Remarks:

Soil samples SBI060:HSBO104:S005020 and SBI060:HSBO104:S050070 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 20.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-O105

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Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	5.0/4.1	DP1/SS1	0.2	NA			0.0 to 0.5 - FILL/ROOTS/TOPSOIL				
1							0.5 to 4.1 - Loose brown medium grain SAND & GRAVEL, slightly moist, trace silty clay.				
2		DP1/SS2	0.7	NA							
3											
4											
5	5.0/3.8	DP2/SS3	0.2	NA			5.0 to 8.8 - Same As Above (SAA): dark brown.				
6		DP2/SS4	0.3	NA							
7											
8		DP2/SS5	0.5	NA							
9											
10	5.0/3.3	DP3/SS6	0.3	NA			10.0 to 10.9 SAA				
11							10.9 to 12.7 - Loose brown medium to coarse grain SAND & GRAVEL, slightly moist.				
12		DP3/SS7	0.2	NA							
13							12.7 to 13.3 - Loose brown medium to coarse grain SAND, few gravel, slightly moist.				
14											
15	5.0/3.7	DP4/SS8	0.3	NA			15.0 to 18.7 - Loose brown medium grain SOIL & GRAVEL, slightly moist.				
16											

Remarks:

Soil samples SBI060:HSBO105:S005020 and SBI060:HSBO105:S017020 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 20.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-O105

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Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels	
							Sample Interval	Lab Sample	Static	During drilling
DESCRIPTION										
16										
17		DP4/SS9	0.2	NA						
18										
19										
20										
End of boring.										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										

Remarks:

Soil samples SBI060:HSBO105:S005020 and SBI060:HSBO105:S017020 were sent to laboratory for analysis.



Date Started : 08/20/2010
 Date Completed : 08/20/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-B101

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Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	5.0/4.3	DP1/SS1	0.0	NA			0.0 to 0.5 - TOPSOIL/FILL				
1							0.5 to 4.3 - Loose brown and black SAND & GRAVEL, stained, slightly moist.				
2		DP1/SS2	0.1	NA							
3											
4											
5	5.0/3.0	DP2/SS3	0.0	NA			5.0 to 8.0 - Same As Above (SAA): stained.				
6											
7		DP2/SS4	0.0	NA							
8											
9											
10	5.0/2.2	DP3/SS5	0.0	NA			10.0 to 10.9 - Loose brown medium grain SAND.				
11							10.9 to 11.4 - Crushed CONCRETE.				
12							11.4 to 12.2 - Loose brown medium grain SOIL & GRAVEL, slightly moist to dry.				
13											
14											
15							End of boring.				
16											

Remarks:

Soil samples SBI060:HSBB101:S005020 and SBI060:HSBB101:S070080 were sent to laboratory for analysis.



Date Started : 08/20/2010
 Date Completed : 08/20/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-B102

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Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels
							Sample Interval Lab Sample	Static During drilling
							DESCRIPTION	
0	5.0/4.6	DP1/SS1	0.0	NA			0.0 to 0.5 - TOPSOIL/FILL	
1							0.5 to 4.6 - Loose brown and black medium grain SAND & GRAVEL, slightly moist, staining @ 2-4'.	
2		DP1/SS2	0.1	NA				
3								
4								
5	5.0/2.6	DP2/SS3	0.2	NA			5.0 to 8.0 - Same As Above (SAA): stained throughout, slight petroleum odor.	
6								
7		DP2/SS4	0.1	NA				
8								
9								
10	5.0/3.2	DP3/SS5	0.1	NA			10.0 to 11.4 - SAA, dark stained.	
11								
12		DP3/SS6	0.1	NA			11.4 to 13.2 - Loose light brown medium grain SAND & GRAVEL, slightly moist.	
13								
14								
15							End of boring.	
16								

Remarks:

Soil samples SBI060:HSBB102:S005020 and SBI060:HSBB102:S100114 were sent to laboratory for analysis.



Date Started : 08/20/2010
 Date Completed : 08/20/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-B103

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Former Studebaker Site
 South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels
							Sample Interval Lab Sample	Static During drilling
							DESCRIPTION	
0	5.0/4.2	DP1/SS1	0.0	NA			0.0 to 0.5 - TOPSOIL/FILL	
1							0.5 to 4.2 - Loose brown and black medium grain SAND & GRAVEL, slightly moist, odor and staining @ 2-4'.	
2		DP1/SS2	0.1	NA				
3								
4								
5	5.0/3.8	DP2/SS3	0.3	NA			5.0 to 8.8 - Same As Above (SAA): dark stained, petroleum odor.	
6								
7		DP2/SS4	0.0	NA				
8								
9								
10	5.0/2.5	DP3/SS5	0.1	NA			10.0 to 11.2 - Loose brown and black medium grain SAND, strong petroleum odor, very moist, very stained.	
11							11.2 to 11.4 - Crushed CONCRETE.	
12		DP3/SS6	0.0	NA			11.4 to 12.5 - Loose brown medium grain SAND & GRAVEL, slightly moist.	
13								
14								
15							End of boring.	
16								

Remarks:

Soil samples SBI060:HSBB103:S005020 and SBI060:HSBB103:S100112 were sent to laboratory for analysis.



Date Started : 08/20/2010
 Date Completed : 08/20/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-B104

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Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels
							Sample Interval Lab Sample	Static During drilling
							DESCRIPTION	
0	5.0/3.5	DP1/SS1	0.0	NA			0.0 to 0.5 - TOPSOIL/FILL	
1							0.5 to 3.5 - Loose brown and black medium grain SAND & GRAVEL, slightly moist.	
2		DP1/SS2	0.0	NA				
3								
4								
5	5.0/3.2	DP2/SS3	0.1	NA			5.0 to 8.2 - Loose light brown medium grain SAND, slightly moist.	
6								
7		DP2/SS4	0.0	NA				
8								
9								
10	5.0/2.0	DP3/SS5	0.0	NA			10.0 to 12.0 - Same As Above (SAA)	
11								
12								
13								
14								
15							End of boring.	
16								

Remarks:

Soil samples SBI060:HSBB104:S005020 and SBI060:HSBB104:S020035 were sent to laboratory for analysis.



Date Started : 08/20/2010
 Date Completed : 08/20/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 20.0
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-B105

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Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	5.0/4.1	DP1/SS1	0.1	NA			0.0 to 0.5 - TOPSOIL/FILL				
1							0.5 to 4.1 - Loose brown and black medium grain SAND, moist, staining @ 2-4'.				
2		DP1/SS2	0.0	NA							
3											
4											
5	5.0/4.0	DP2/SS3	0.2	NA			5.0 to 8.0 - Loose brown medium grain SAND, slightly moist.				
6											
7		DP2/SS4	0.1	NA							
8											
9											
10	5.0/2.2	DP3/SS5	0.0	NA			10.0 to 12.2 - Same As Above (SAA)				
11											
12		DP3/SS6	0.0	NA							
13											
14											
15	5.0/3.1	DP4/SS7	0.0	NA			15.0 to 18.1 - Loose medium grain SAND & GRAVEL, wet @ 17.5'.				
16											

Remarks:

Soil samples SBI060:HSBB105:S005020 and SBI060:HSBB105:S020041 were sent to laboratory for analysis.



Date Started : 08/20/2010
 Date Completed : 08/20/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 20.0
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-B105

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Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
16											
17		DP4/SS8	0.0	NA							
18											
19											
20											
							End of boring.				
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											

Remarks:

Soil samples SBI060:HSBB105:S005020 and SBI060:HSBB105:S020041 were sent to laboratory for analysis.



Date Started : 08/20/2010
 Date Completed : 08/20/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 20.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-B106

(Page 1 of 2)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels
							Sample Interval Lab Sample	Static During drilling
							DESCRIPTION	
0	5.0/4.2	DP1/SS1	0.1	NA			0.0 to 0.5 - TOPSOIL/FILL	
1							0.5 to 4.2 - Loose brown and black medium grain SAND & GRAVEL, slightly moist, crushed concrete.	
2		DP1/SS2	0.2	NA				
3								
4								
5	5.0/3.2	DP2/SS3	0.3	NA			5.0 to 8.2 - Loose light brown medium grain SAND, slightly moist.	
6								
7		DP2/SS4	0.1	NA				
8								
9								
10	5.0/3.6	DP3/SS5	0.0	NA			10.0 to 13.0 - Loose light brown medium grain SAND, dry.	
11								
12		DP3/SS6	0.1	NA				
13							13.0 to 15.0 - Loose brown medium grain SAND & GRAVEL, dry.	
14								
15	5.0/2.3	DP4/SS7	0.0	NA			15.0 to 17.3 - Loose brown medium grain SAND & GRAVEL, dry, wet @ 17'.	
16								

Remarks:

Soil samples SBI060:HSBB106:S005020 and SBI060:HSBB106:S020042 were sent to laboratory for analysis.



Date Started : 08/20/2010
 Date Completed : 08/20/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 20.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-B106

(Page 2 of 2)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
16											
17		DP4/SS8	0.0	NA							
18											
19											
20											
							End of boring.				
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											

Remarks:

Soil samples SBI060:HSBB106:S005020 and SBI060:HSBB106:S020042 were sent to laboratory for analysis.



Date Started : 08/20/2010
 Date Completed : 08/20/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-B107

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Former Studebaker Site
 South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	5.0/4.0	DP1/SS1	0.0	NA			0.0 to 0.5 - TOPSOIL/FILL				
1							0.5 to 4.2 - Loose brown and black medium grain SAND & GRAVEL, slightly moist.				
2		DP1/SS2	0.1	NA							
3											
4											
5	5.0/3.5	DP2/SS3	0.1	NA			5.0 to 7.0 - Loose light brown medium grain SAND, dry.				
6											
7		DP2/SS4	0.0	NA							
8											
9											
10	5.0/4.3	DP3/SS5	0.0	NA			10.0 to 14.3 - Same As Above (SAA).				
11											
12		DP3/SS6	0.0	NA							
13											
14											
15							End of boring.				
16											

Remarks:

Soil samples SBI060:HSBB107:S005020 and SBI060:HSBB107:S100120 were sent to laboratory for analysis.



Date Started : 08/20/2010
 Date Completed : 08/20/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-B108

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Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval Lab Sample	Static During drilling			
							DESCRIPTION				
0	5.0/3.8	DP1/SS1	0.0	NA			0.0 to 0.5 - TOPSOIL/FILL				
1							0.5 to 3.8 - Loose brown medium grain SAND & GRAVEL, slightly moist.				
2		DP1/SS2	0.1	NA							
3											
4											
5	5.0/3.8	DP2/SS3	0.2	NA			5.0 to 8.8 - Loose light brown medium grain SAND, slightly moist to dry.				
6											
7		DP2/SS4	0.1	NA							
8											
9											
10	5.0/4.1	DP3/SS5	0.1	NA			10.0 to 14.1 - Same As Above (SAA).				
11											
12		DP3/SS6	0.0	NA							
13											
14											
15							End of boring.				
16											

Remarks:

Soil samples SBI060:HSBB108:S005020 and SBI060:HSBB108:S100120 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-O101

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Former Studebaker Site
 South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels
							Sample Interval Lab Sample	Static During drilling
							DESCRIPTION	
0	5.0/4.1	DP1/SS1	0.2	NA			0.0 TO 0.5 - TOPSOIL/FILL.	
1							0.5 to 4.1 - Loose brown to dark brown medium grain SOIL & GRAVEL, slightly moist, staining possible 3-4'.	
2		DP1/SS2	0.1	NA				
3								
4								
5	5.0/3.8	DP2/SS3	0.2	NA			5.0 to 8.5 - Same As Above (SAA).	
6								
7		DP2/SS4	0.1	NA				
8								
9								
10	5.0/3.6	DP3/SS5	0.1	NA			10.0 to 13.6 - Loose light brown medium grain SOIL & GRAVEL, slightly moist.	
11								
12		DP3/SS6	0.0	NA				
13								
14								
15							End of boring.	
16								

Remarks:

Soil samples SBI060:HSBO101:S005020 and SBI060:HSBO101:S020041 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-SA01

(Page 1 of 1)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	5.0/4.0	DP1/SS1	0.0	NA			0.0 to 0.5 - TOPSOIL/FILL.				
1							0.5 to 4.0 - Loose dark brown medium grain SAND & GRAVEL, slightly moist, staining 2-4'.				
2		DP1/SS2	0.1	NA							
3											
4											
5	5.0/3.2	DP2/SS3	0.2	NA			5.0 to 8.2 - Same As Above (SAA): grades to brown @ 7'.				
6											
7		DP2/SS4	0.1	NA							
8											
9											
10	5.0/3.4	DP3/SS5	0.0	NA			10.0 to 13.4 - Loose light brown medium grain SAND & GRAVEL, slightly moist.				
11											
12		DP3/SS6	0.1	NA							
13											
14											
15							End of boring.				
16											

Remarks:

Soil samples SBI060:HSBSA01:S005020 and SBI060:HSBSA01:S020040 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-SA02

(Page 1 of 1)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	5.0/4.1	DP1/SS1	0.6	NA			0.0 to 0.5 - TOPSOIL/FILL.				
1							0.5 to 4.1 - Loose dark brown medium grain SAND & GRAVEL, dry, odor and staining 2-4'.				
2		DP1/SS2	0.1	NA							
3											
4											
5	5.0/3.2	DP2/SS3	0.0	NA			5.0 to 8.2 - Same As Above (SAA): grades to light brown @ 6.5'.				
6											
7		DP2/SS4	0.1	NA							
8											
9											
10	5.0/2.5	DP3/SS5	0.0	NA			10.0 to 12.5 - Loose light brown medium grain SAND & GRAVEL, slightly moist.				
11											
12		DP3/SS6	0.0	NA							
13											
14											
15							End of boring.				
16											

Remarks:

Soil samples SBI060:HSBSA02:S005020 and SBI060:HSBSA02:S020041 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-SA03

(Page 1 of 1)

Former Studebaker Site
South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels
							Sample Interval Lab Sample	Static During drilling
							DESCRIPTION	
0	5.0/3.9	DP1/SS1	0.1	NA			0.0 to 0.5 - TOPSOIL/FILL.	
1							0.5 to 3.9 - Loose dark brown medium grain SAND & GRAVEL, slightly moist, staining @ 3.9'.	
2		DP1/SS2	0.3	NA				
3								
4								
5	5.0/2.4	DP2/SS3	0.1	NA			5.0 to 7.4 - Loose brown medium grain SAND & GRAVEL, slightly moist.	
6								
7		DP2/SS4	0.0	NA				
8								
9								
10	5.0/3.8	DP3/SS5	0.0	NA			10.0 to 13.8 - Same As Above (SAA): light brown.	
11								
12		DP3/SS6	0.0	NA				
13								
14								
15							End of boring.	
16								

Remarks:

Soil samples SBI060:HSBSA03:S005020 and SBI060:HSBSA03:S020039 were sent to laboratory for analysis.



Date Started : 08/19/2010
 Date Completed : 08/19/2010
 Logged By : S. Sojda
 Reviewed By : Doug Stuart
 Drilling Contractor : D&T
 Drilling Method : Geoprobe
 Sampling Method : Macrocore
 Total Depth : 15.0'
 S. Water Level Date : NA
 S. Water Level (ft) : NA

LOG OF BORING HSB-SA04

(Page 1 of 1)

Former Studebaker Site
 South Bend, IN

Project Number: SBI060

Project Manager: Doug Stuart

G. Elev. (ft USGS) : NA
 PID/FID Model : MiniRae 2000
 PID/FID Calibration : 100ppm Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels
							Sample Interval Lab Sample	Static During drilling
							DESCRIPTION	
0	5.0/4.2	DP1/SS1	0.2	NA			0.0 to 0.5 - TOPSOIL/FILL.	
1							0.5 to 4.2 - Loose dark brown medium grain SAND & GRAVEL, slightly moist, staining 2-4'.	
2		DP1/SS2	0.3	NA				
3								
4								
5	5.0/3.2	DP2/SS3	0.1	NA			5.0 to 8.2 - Loose brown medium grain SAND & GRAVEL, slightly moist.	
6								
7		DP2/SS4	0.1	NA				
8								
9								
10	5.0/2.3	DP3/SS5	0.0	NA			10.0 to 12.3 - Loose brown medium grain SAND & GRAVEL, slightly moist.	
11								
12		DP3/SS6	0.0	NA				
13								
14								
15							End of boring.	
16								

Remarks:

Soil samples SBI060:HSBSA04:S005020 and SBI060:HSBSA04:S020042 were sent to laboratory for analysis.

APPENDIX B

Laboratory Analytical Report

September 02, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI060
Pace Project No.: 5040522

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on August 20, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,



Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418

Indiana Certification #: C-49-06

Kansas Certification #: E-10247

Kentucky Certification #: 0042

Ohio VAP: CL0065

Pennsylvania: 68-00791

West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SBI060
Pace Project No.: 5040522

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5040522001	SBI060:HSB-0105:S005020	Solid	08/19/10 09:20	08/20/10 15:17
5040522002	SBI060:HSB-0105:S170187	Solid	08/19/10 10:00	08/20/10 15:17
5040522003	SBI060:HSB-0103:S005020	Solid	08/19/10 10:10	08/20/10 15:17
5040522004	SBI060:HSB-0103:S050070	Solid	08/19/10 10:25	08/20/10 15:17
5040522005	SBI060:HSB-0103:S050070A	Solid	08/19/10 10:25	08/20/10 15:17
5040522006	SBI060:HSB-0104:S005020	Solid	08/19/10 10:35	08/20/10 15:17
5040522007	SBI060:HSB-0104:S005070	Solid	08/19/10 10:45	08/20/10 15:17
5040522008	SBI060:HSB-0101:S005020	Solid	08/19/10 10:55	08/20/10 15:17
5040522009	SBI060:HSB-0101:S020040	Solid	08/19/10 11:05	08/20/10 15:17
5040522010	SBI060:HSB-0102:S005020	Solid	08/19/10 11:20	08/20/10 15:17
5040522011	SBI060:HSB-0102:S0050070	Solid	08/19/10 11:25	08/20/10 15:17
5040522012	SBI060:HSB-SA05:S005020	Solid	08/19/10 12:35	08/20/10 15:17
5040522013	SBI060:HSB-SA05:S0170181	Solid	08/19/10 13:00	08/20/10 15:17
5040522014	SBI060:HSB-SA01:S005020	Solid	08/19/10 13:15	08/20/10 15:17
5040522015	SBI060:HSB-SA01:S020040	Solid	08/19/10 13:22	08/20/10 15:17
5040522016	SBI060:HSB-SA02:S005020	Solid	08/19/10 13:40	08/20/10 15:17
5040522017	SBI060:HSB-SA02:S020040	Solid	08/19/10 13:50	08/20/10 15:17
5040522018	SBI060:HSB-SA03:S005020	Solid	08/19/10 14:05	08/20/10 15:17
5040522019	SBI060:HSB-SA03:S020039	Solid	08/19/10 14:17	08/20/10 15:17
5040522020	SBI060:HSB-SA04:S005020	Solid	08/19/10 14:25	08/20/10 15:17
5040522021	SBI060:HSB-SA04:S020040	Solid	08/19/10 14:40	08/20/10 15:17
5040522022	SBI060:HSB-72A05:S005020	Solid	08/19/10 15:05	08/20/10 15:17
5040522023	SBI060:HSB-72A05:S050070	Solid	08/19/10 15:20	08/20/10 15:17
5040522024	SBI060:HSB-72A04:S005020	Solid	08/19/10 15:35	08/20/10 15:17
5040522025	SBI060:HSB-72A04:S020040	Solid	08/19/10 15:50	08/20/10 15:17
5040522026	SBI060:HSB-72A01:S005020	Solid	08/19/10 16:00	08/20/10 15:17
5040522027	SBI060:HSB-72A01:S050070	Solid	08/19/10 16:10	08/20/10 15:17
5040522028	SBI060:HSB-72A02:S005020	Solid	08/19/10 16:25	08/20/10 15:17
5040522029	SBI060:HSB-72A02:S020040	Solid	08/19/10 16:35	08/20/10 15:17
5040522030	SBI060:HSB-72A03:S005020	Solid	08/19/10 16:45	08/20/10 15:17
5040522031	SBI060:HSB-72A03:S050070	Solid	08/19/10 16:55	08/20/10 15:17
5040522032	SBI060:EB1:W081910	Water	08/19/10 17:00	08/20/10 15:17
5040522033	SBI060:HSB-B106:S005020	Solid	08/20/10 08:00	08/20/10 15:17
5040522034	SBI060:HSB-B106:S020040	Solid	08/20/10 08:25	08/20/10 15:17
5040522035	SBI060:HSB-B105:S005020	Solid	08/20/10 08:35	08/20/10 15:17
5040522036	SBI060:HSB-B105:S020040	Solid	08/20/10 08:45	08/20/10 15:17
5040522037	SBI060:HSB-B105:S005020A	Solid	08/20/10 08:35	08/20/10 15:17

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SBI060
Pace Project No.: 5040522

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5040522038	SBI060:HSB-B104:S005020	Solid	08/20/10 09:02	08/20/10 15:17
5040522039	SBI060:HSB-B104:S020040	Solid	08/20/10 09:15	08/20/10 15:17
5040522040	SBI060:HSB-B103:S005020	Solid	08/20/10 09:30	08/20/10 15:17
5040522041	SBI060:HSB-B103:S100112	Solid	08/20/10 09:40	08/20/10 15:17
5040522042	SBI060:HSB-B103:S100112A	Solid	08/20/10 09:40	08/20/10 15:17
5040522043	SBI060:HSB-B102:S005020	Solid	08/20/10 09:53	08/20/10 15:17
5040522044	SBI060:HSB-B102:S100114	Solid	08/20/10 10:05	08/20/10 15:17
5040522045	SBI060:HSB-B101:S005020	Solid	08/20/10 10:15	08/20/10 15:17
5040522046	SBI060:HSB-B101:S070080	Solid	08/20/10 10:30	08/20/10 15:17
5040522047	SBI060:EB1:W082010	Water	08/20/10 11:00	08/20/10 15:17
5040522048	TRIP BLANK	Water	08/19/10 08:00	08/20/10 15:17
5040522049	SBI060:HSB-B107:S005020	Solid	08/20/10 11:10	08/20/10 15:17
5040522050	SBI060:HSB-B107:S100120	Solid	08/20/10 11:20	08/20/10 15:17
5040522051	SBI060:HSB-B108:S005020	Solid	08/20/10 11:25	08/20/10 15:17
5040522052	SBI060:HSB-B108:S100120	Solid	08/20/10 11:30	08/20/10 15:17

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI060
Pace Project No.: 5040522

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5040522001	SBI060:HSB-0105:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522002	SBI060:HSB-0105:S170187	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522003	SBI060:HSB-0103:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522004	SBI060:HSB-0103:S050070	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522005	SBI060:HSB-0103:S050070A	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522006	SBI060:HSB-0104:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522007	SBI060:HSB-0104:S005070	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522008	SBI060:HSB-0101:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522009	SBI060:HSB-0101:S020040	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522010	SBI060:HSB-0102:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522011	SBI060:HSB-0102:S0050070	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522012	SBI060:HSB-SA05:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522013	SBI060:HSB-SA05:S0170181	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522014	SBI060:HSB-SA01:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522015	SBI060:HSB-SA01:S020040	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522016	SBI060:HSB-SA02:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522017	SBI060:HSB-SA02:S020040	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522018	SBI060:HSB-SA03:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522019	SBI060:HSB-SA03:S020039	EPA 8015 Mod Ext	EDD	2

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI060
Pace Project No.: 5040522

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	TPD	1
5040522020	SBI060:HSB-SA04:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522021	SBI060:HSB-SA04:S020040	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522022	SBI060:HSB-72A05:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522023	SBI060:HSB-72A05:S050070	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522024	SBI060:HSB-72A04:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522025	SBI060:HSB-72A04:S020040	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522026	SBI060:HSB-72A01:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522027	SBI060:HSB-72A01:S050070	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522028	SBI060:HSB-72A02:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522029	SBI060:HSB-72A02:S020040	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522030	SBI060:HSB-72A03:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522031	SBI060:HSB-72A03:S050070	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522032	SBI060:EB1:W081910	EPA 8015 Mod Ext	EDD	2
5040522033	SBI060:HSB-B106:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522034	SBI060:HSB-B106:S020040	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522035	SBI060:HSB-B105:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522036	SBI060:HSB-B105:S020040	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522037	SBI060:HSB-B105:S005020A	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522038	SBI060:HSB-B104:S005020	EPA 8015 Mod Ext	EDD	2

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI060
Pace Project No.: 5040522

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	TPD	1
5040522039	SBI060:HSB-B104:S020040	EPA 8015 Mod Ext	EDD	2
		EPA 8260	JLF	73
		ASTM D2974-87	TPD	1
5040522040	SBI060:HSB-B103:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522041	SBI060:HSB-B103:S100112	EPA 8015 Mod Ext	EDD	2
		EPA 8260	JLF	73
		ASTM D2974-87	TPD	1
5040522042	SBI060:HSB-B103:S100112A	EPA 8260	JLF	73
		ASTM D2974-87	TPD	1
5040522043	SBI060:HSB-B102:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522044	SBI060:HSB-B102:S100114	EPA 8015 Mod Ext	EDD	2
		EPA 8260	JLF	73
		ASTM D2974-87	TPD	1
5040522045	SBI060:HSB-B101:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522046	SBI060:HSB-B101:S070080	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522047	SBI060:EB1:W082010	EPA 8015 Mod Ext	EDD	2
		EPA 8260	JLF	73
5040522048	TRIP BLANK	EPA 8260	JLF	73
5040522049	SBI060:HSB-B107:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522050	SBI060:HSB-B107:S100120	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522051	SBI060:HSB-B108:S005020	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1
5040522052	SBI060:HSB-B108:S100120	EPA 8015 Mod Ext	EDD	2
		ASTM D2974-87	TPD	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-0105:S005020 Lab ID: 5040522001 Collected: 08/19/10 09:20 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	667	mg/kg	53.5	5	08/21/10 12:10	08/25/10 18:52		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:10	08/25/10 18:52	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.6	%	0.10	1		08/23/10 13:18		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-0105:S170187 Lab ID: 5040522002 Collected: 08/19/10 10:00 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	ND	mg/kg	10.4	1	08/21/10 12:10	08/24/10 19:50		
n-Pentacosane (S)	71	%	45-170	1	08/21/10 12:10	08/24/10 19:50	629-99-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.0	%	0.10	1		08/23/10 13:18		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-0103:S005020 Lab ID: 5040522003 Collected: 08/19/10 10:10 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	737	mg/kg	52.5	5	08/21/10 12:10	08/24/10 21:58		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:10	08/24/10 21:58	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.8	%	0.10	1		08/23/10 13:18		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-0103:S050070 Lab ID: 5040522004 Collected: 08/19/10 10:25 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	125	mg/kg	54.2	5	08/21/10 12:10	08/25/10 16:51		
n-Pentacosane (S)	0	%	45-170	5	08/21/10 12:10	08/25/10 16:51	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.7	%	0.10	1		08/23/10 13:18		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-0103:S050070A **Lab ID:** 5040522005 Collected: 08/19/10 10:25 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	101	mg/kg	10.8	1	08/21/10 12:10	08/24/10 19:57		
n-Pentacosane (S)	119	%	45-170	1	08/21/10 12:10	08/24/10 19:57	629-99-2	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	7.5	%	0.10	1		08/23/10 13:19		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-0104:S005020 Lab ID: 5040522006 Collected: 08/19/10 10:35 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	1350	mg/kg	52.7	5	08/21/10 12:10	08/24/10 21:43		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:10	08/24/10 21:43	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.2	%	0.10	1		08/23/10 13:19		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-0104:S005070 Lab ID: 5040522007 Collected: 08/19/10 10:45 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	106	mg/kg	10.9	1	08/21/10 12:10	08/24/10 20:05		
n-Pentacosane (S)	129	%	45-170	1	08/21/10 12:10	08/24/10 20:05	629-99-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.9	%	0.10	1		08/23/10 13:19		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-0101:S005020 Lab ID: 5040522008 Collected: 08/19/10 10:55 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	843	mg/kg	52.7	5	08/21/10 12:10	08/24/10 21:36		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:10	08/24/10 21:36	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.1	%	0.10	1		08/23/10 13:19		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-0101:S020040 Lab ID: 5040522009 Collected: 08/19/10 11:05 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	293	mg/kg	53.4	5	08/21/10 12:10	08/24/10 21:29		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:10	08/24/10 21:29	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.4	%	0.10	1		08/23/10 13:19		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-0102:S005020 **Lab ID: 5040522010** Collected: 08/19/10 11:20 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	730	mg/kg	52.4	5	08/21/10 12:10	08/24/10 21:22		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:10	08/24/10 21:22	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.6	%	0.10	1		08/23/10 13:19		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-0102:S0050070 **Lab ID:** 5040522011 Collected: 08/19/10 11:25 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	340	mg/kg	10.8	1	08/21/10 12:10	08/24/10 20:12		
n-Pentacosane (S)	194	%	45-170	1	08/21/10 12:10	08/24/10 20:12	629-99-2	3d
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	7.8	%	0.10	1		08/23/10 13:19		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-SA05:S005020 **Lab ID:** 5040522012 Collected: 08/19/10 12:35 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	272	mg/kg	11.0	1	08/21/10 12:10	08/24/10 20:40		
n-Pentacosane (S)	250	%	45-170	1	08/21/10 12:10	08/24/10 20:40	629-99-2	3d
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.2	%	0.10	1		08/24/10 14:12		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB- **Lab ID:** 5040522013 Collected: 08/19/10 13:00 Received: 08/20/10 15:17 Matrix: Solid
SA05:S0170181

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	ND	mg/kg	10.4	1	08/21/10 12:10	08/24/10 20:19		
n-Pentacosane (S)	78 %		45-170	1	08/21/10 12:10	08/24/10 20:19	629-99-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.5 %		0.10	1		08/23/10 13:20		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-SA01:S005020 Lab ID: 5040522014 Collected: 08/19/10 13:15 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	165	mg/kg	10.6	1	08/21/10 12:10	08/24/10 20:26		
n-Pentacosane (S)	184	%	45-170	1	08/21/10 12:10	08/24/10 20:26	629-99-2	3d
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.4	%	0.10	1		08/23/10 13:20		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-SA01:S020040 Lab ID: 5040522015 Collected: 08/19/10 13:22 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	298	mg/kg	54.5	5	08/21/10 12:10	08/24/10 21:15		
n-Pentacosane (S)	0	%	45-170	5	08/21/10 12:10	08/24/10 21:15	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.2	%	0.10	1		08/23/10 13:20		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-SA02:S005020 Lab ID: 5040522016 Collected: 08/19/10 13:40 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	138	mg/kg	52.5	5	08/21/10 12:10	08/24/10 21:08		
n-Pentacosane (S)	0	%	45-170	5	08/21/10 12:10	08/24/10 21:08	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.8	%	0.10	1		08/23/10 13:21		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-SA02:S020040 Lab ID: 5040522017 Collected: 08/19/10 13:50 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	583	mg/kg	54.7	5	08/21/10 12:10	08/24/10 21:01		
n-Pentacosane (S)	0	%	45-170	5	08/21/10 12:10	08/24/10 21:01	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.5	%	0.10	1		08/23/10 13:21		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-SA03:S005020 Lab ID: 5040522018 Collected: 08/19/10 14:05 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	697	mg/kg	53.4	5	08/21/10 12:10	08/24/10 20:54		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:10	08/24/10 20:54	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.4	%	0.10	1		08/23/10 13:21		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-SA03:S020039 Lab ID: 5040522019 Collected: 08/19/10 14:17 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	632	mg/kg	54.1	5	08/21/10 12:10	08/24/10 20:47		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:10	08/24/10 20:47	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.5	%	0.10	1		08/23/10 13:21		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-SA04:S005020 Lab ID: 5040522020 Collected: 08/19/10 14:25 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	66.6	mg/kg	10.8	1	08/21/10 12:10	08/24/10 20:33		
n-Pentacosane (S)	103	%	45-170	1	08/21/10 12:10	08/24/10 20:33	629-99-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.3	%	0.10	1		08/23/10 13:21		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-SA04:S020040 Lab ID: 5040522021 Collected: 08/19/10 14:40 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	305	mg/kg	11.0	1	08/21/10 12:10	08/25/10 12:51		
n-Pentacosane (S)	298	%	45-170	1	08/21/10 12:10	08/25/10 12:51	629-99-2	4d
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.9	%	0.10	1		08/23/10 13:21		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB- **Lab ID:** 5040522022 Collected: 08/19/10 15:05 Received: 08/20/10 15:17 Matrix: Solid
72A05:S005020

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	137	mg/kg	10.4	1	08/21/10 12:10	08/26/10 14:34		
n-Pentacosane (S)	156	%	45-170	1	08/21/10 12:10	08/26/10 14:34	629-99-2	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	4.2	%	0.10	1		08/23/10 13:21		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-72A05:S050070 **Lab ID:** 5040522023 Collected: 08/19/10 15:20 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	304	mg/kg	10.9	1	08/21/10 12:10	08/25/10 12:58		
n-Pentacosane (S)	280	%	45-170	1	08/21/10 12:10	08/25/10 12:58	629-99-2	4d
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	8.1	%	0.10	1		08/23/10 13:21		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-72A04:S005020 **Lab ID:** 5040522024 Collected: 08/19/10 15:35 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	313	mg/kg	10.7	1	08/21/10 12:10	08/25/10 13:12		
n-Pentacosane (S)	291	%	45-170	1	08/21/10 12:10	08/25/10 13:12	629-99-2	4d
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	6.6	%	0.10	1		08/23/10 13:21		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-72A04:S020040 **Lab ID:** 5040522025 Collected: 08/19/10 15:50 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	270	mg/kg	10.8	1	08/21/10 12:10	08/25/10 13:19		
n-Pentacosane (S)	229	%	45-170	1	08/21/10 12:10	08/25/10 13:19	629-99-2	4d
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	7.7	%	0.10	1		08/23/10 13:21		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-72A01:S005020 **Lab ID:** 5040522026 Collected: 08/19/10 16:00 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	93.6	mg/kg	10.7	1	08/21/10 12:10	08/25/10 13:26		
n-Pentacosane (S)	139	%	45-170	1	08/21/10 12:10	08/25/10 13:26	629-99-2	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	6.3	%	0.10	1		08/23/10 13:22		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-72A01:S050070 **Lab ID:** 5040522027 Collected: 08/19/10 16:10 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	685	mg/kg	55.0	5	08/21/10 12:10	08/25/10 20:45		
n-Pentacosane (S)	0	%	45-170	5	08/21/10 12:10	08/25/10 20:45	629-99-2	S4
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	9.0	%	0.10	1		08/23/10 13:22		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-72A02:S005020 **Lab ID:** 5040522028 Collected: 08/19/10 16:25 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	304	mg/kg	10.7	1	08/21/10 12:10	08/25/10 13:40		
n-Pentacosane (S)	240	%	45-170	1	08/21/10 12:10	08/25/10 13:40	629-99-2	4d
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	6.6	%	0.10	1		08/23/10 13:22		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-72A02:S020040 **Lab ID:** 5040522029 Collected: 08/19/10 16:35 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	61.4	mg/kg	10.8	1	08/21/10 12:10	08/25/10 13:47		
n-Pentacosane (S)	111	%	45-170	1	08/21/10 12:10	08/25/10 13:47	629-99-2	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	7.7	%	0.10	1		08/23/10 13:22		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-72A03:S005020 **Lab ID:** 5040522030 Collected: 08/19/10 16:45 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	118	mg/kg	10.7	1	08/21/10 12:10	08/26/10 14:48		
n-Pentacosane (S)	139	%	45-170	1	08/21/10 12:10	08/26/10 14:48	629-99-2	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	6.2	%	0.10	1		08/23/10 13:22		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-72A03:S050070 **Lab ID:** 5040522031 Collected: 08/19/10 16:55 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	231	mg/kg	53.8	5	08/21/10 12:10	08/26/10 13:30		
n-Pentacosane (S)	0	%	45-170	5	08/21/10 12:10	08/26/10 13:30	629-99-2	S4
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	7.1	%	0.10	1		08/23/10 13:23		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: SBI060:EB1:W081910 Lab ID: 5040522032 Collected: 08/19/10 17:00 Received: 08/20/10 15:17 Matrix: Water								
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3510								
High End Organics (C8-C34)	ND	mg/L	0.10	1	08/22/10 21:37	08/24/10 11:27		
n-Pentacosane (S)	87	%	40-156	1	08/22/10 21:37	08/24/10 11:27	629-99-2	

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-B106:S005020 Lab ID: 5040522033 Collected: 08/20/10 08:00 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	350	mg/kg	10.7	1	08/21/10 12:20	08/25/10 14:09		
n-Pentacosane (S)	277	%	45-170	1	08/21/10 12:20	08/25/10 14:09	629-99-2	4d
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.3	%	0.10	1		08/23/10 13:23		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-B106:S020040 Lab ID: 5040522034 Collected: 08/20/10 08:25 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	155 mg/kg		10.9	1	08/21/10 12:20	08/25/10 14:37		
n-Pentacosane (S)	182 %		45-170	1	08/21/10 12:20	08/25/10 14:37	629-99-2	4d
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.5 %		0.10	1		08/23/10 13:23		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-B105:S005020 Lab ID: 5040522035 Collected: 08/20/10 08:35 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	391	mg/kg	53.6	5	08/21/10 12:20	08/25/10 20:52		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:20	08/25/10 20:52	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.7	%	0.10	1		08/23/10 13:24		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-B105:S020040 Lab ID: 5040522036 Collected: 08/20/10 08:45 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	146	mg/kg	10.7	1	08/21/10 12:20	08/25/10 14:51		
n-Pentacosane (S)	162	%	45-170	1	08/21/10 12:20	08/25/10 14:51	629-99-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.7	%	0.10	1		08/23/10 13:24		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB- **Lab ID:** 5040522037 Collected: 08/20/10 08:35 Received: 08/20/10 15:17 Matrix: Solid
B105:S005020A

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	254	mg/kg	10.8	1	08/21/10 12:20	08/25/10 14:58		
n-Pentacosane (S)	202	%	45-170	1	08/21/10 12:20	08/25/10 14:58	629-99-2	4d
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.5	%	0.10	1		08/23/10 13:24		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-B104:S005020 Lab ID: 5040522038 Collected: 08/20/10 09:02 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	303	mg/kg	10.7	1	08/21/10 12:20	08/25/10 15:05		
n-Pentacosane (S)	318	%	45-170	1	08/21/10 12:20	08/25/10 15:05	629-99-2	4d
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.3	%	0.10	1		08/23/10 13:24		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-B104:S020040 Lab ID: 5040522039 Collected: 08/20/10 09:15 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	509	mg/kg	54.3	5	08/21/10 12:20	08/25/10 20:59		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:20	08/25/10 20:59	629-99-2	S4
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	81.0	1		08/31/10 15:21	67-64-1	
Acrolein	ND	ug/kg	81.0	1		08/31/10 15:21	107-02-8	
Acrylonitrile	ND	ug/kg	81.0	1		08/31/10 15:21	107-13-1	
Benzene	ND	ug/kg	4.0	1		08/31/10 15:21	71-43-2	
Bromobenzene	ND	ug/kg	4.0	1		08/31/10 15:21	108-86-1	
Bromochloromethane	ND	ug/kg	4.0	1		08/31/10 15:21	74-97-5	
Bromodichloromethane	ND	ug/kg	4.0	1		08/31/10 15:21	75-27-4	
Bromoform	ND	ug/kg	4.0	1		08/31/10 15:21	75-25-2	
Bromomethane	ND	ug/kg	4.0	1		08/31/10 15:21	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.2	1		08/31/10 15:21	78-93-3	
n-Butylbenzene	ND	ug/kg	4.0	1		08/31/10 15:21	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.0	1		08/31/10 15:21	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.0	1		08/31/10 15:21	98-06-6	
Carbon disulfide	ND	ug/kg	8.1	1		08/31/10 15:21	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.0	1		08/31/10 15:21	56-23-5	
Chlorobenzene	ND	ug/kg	4.0	1		08/31/10 15:21	108-90-7	
Chloroethane	ND	ug/kg	4.0	1		08/31/10 15:21	75-00-3	
Chloroform	ND	ug/kg	4.0	1		08/31/10 15:21	67-66-3	
Chloromethane	ND	ug/kg	4.0	1		08/31/10 15:21	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.0	1		08/31/10 15:21	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.0	1		08/31/10 15:21	106-43-4	
Dibromochloromethane	ND	ug/kg	4.0	1		08/31/10 15:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.0	1		08/31/10 15:21	106-93-4	
Dibromomethane	ND	ug/kg	4.0	1		08/31/10 15:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.0	1		08/31/10 15:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.0	1		08/31/10 15:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.0	1		08/31/10 15:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	81.0	1		08/31/10 15:21	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.0	1		08/31/10 15:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.0	1		08/31/10 15:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.0	1		08/31/10 15:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.0	1		08/31/10 15:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.0	1		08/31/10 15:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.0	1		08/31/10 15:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.0	1		08/31/10 15:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.0	1		08/31/10 15:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.0	1		08/31/10 15:21	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.0	1		08/31/10 15:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.0	1		08/31/10 15:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.0	1		08/31/10 15:21	10061-02-6	
Ethylbenzene	ND	ug/kg	4.0	1		08/31/10 15:21	100-41-4	
Ethyl methacrylate	ND	ug/kg	8.1	1		08/31/10 15:21	97-63-2	

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ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-B104:S020040 **Lab ID:** 5040522039 **Collected:** 08/20/10 09:15 **Received:** 08/20/10 15:17 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	4.0	1		08/31/10 15:21	87-68-3	
n-Hexane	ND	ug/kg	4.0	1		08/31/10 15:21	110-54-3	
2-Hexanone	ND	ug/kg	81.0	1		08/31/10 15:21	591-78-6	
Iodomethane	ND	ug/kg	81.0	1		08/31/10 15:21	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.0	1		08/31/10 15:21	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.0	1		08/31/10 15:21	99-87-6	
Methylene chloride	ND	ug/kg	16.2	1		08/31/10 15:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.2	1		08/31/10 15:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.0	1		08/31/10 15:21	1634-04-4	
Naphthalene	ND	ug/kg	4.0	1		08/31/10 15:21	91-20-3	
n-Propylbenzene	ND	ug/kg	4.0	1		08/31/10 15:21	103-65-1	
Styrene	ND	ug/kg	4.0	1		08/31/10 15:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.0	1		08/31/10 15:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.0	1		08/31/10 15:21	79-34-5	
Tetrachloroethene	ND	ug/kg	4.0	1		08/31/10 15:21	127-18-4	
Toluene	ND	ug/kg	4.0	1		08/31/10 15:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.0	1		08/31/10 15:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.0	1		08/31/10 15:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.0	1		08/31/10 15:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.0	1		08/31/10 15:21	79-00-5	
Trichloroethene	ND	ug/kg	4.0	1		08/31/10 15:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.0	1		08/31/10 15:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.0	1		08/31/10 15:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.0	1		08/31/10 15:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.0	1		08/31/10 15:21	108-67-8	
Vinyl acetate	ND	ug/kg	81.0	1		08/31/10 15:21	108-05-4	
Vinyl chloride	ND	ug/kg	4.0	1		08/31/10 15:21	75-01-4	
Xylene (Total)	ND	ug/kg	8.1	1		08/31/10 15:21	1330-20-7	
Dibromofluoromethane (S)	102	%	80-124	1		08/31/10 15:21	1868-53-7	
Toluene-d8 (S)	111	%	58-145	1		08/31/10 15:21	2037-26-5	
4-Bromofluorobenzene (S)	88	%	61-131	1		08/31/10 15:21	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	8.0	%	0.10	1		08/23/10 13:24		
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ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-B103:S005020 Lab ID: 5040522040 Collected: 08/20/10 09:30 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	529	mg/kg	53.1	5	08/21/10 12:20	08/25/10 21:20		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:20	08/25/10 21:20	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.8	%	0.10	1		08/23/10 13:24		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: **SBI060:HSB-B103:S100112** Lab ID: **5040522041** Collected: 08/20/10 09:40 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	6720	mg/kg	556	50	08/21/10 12:20	08/26/10 15:16		
n-Pentacosane (S)	0 %		45-170	50	08/21/10 12:20	08/26/10 15:16	629-99-2	S4
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	1900	25		08/31/10 17:14	67-64-1	
Acrolein	ND	ug/kg	1900	25		08/31/10 17:14	107-02-8	
Acrylonitrile	ND	ug/kg	1900	25		08/31/10 17:14	107-13-1	
Benzene	ND	ug/kg	95.2	25		08/31/10 17:14	71-43-2	1d
Bromobenzene	ND	ug/kg	95.2	25		08/31/10 17:14	108-86-1	
Bromochloromethane	ND	ug/kg	95.2	25		08/31/10 17:14	74-97-5	
Bromodichloromethane	ND	ug/kg	95.2	25		08/31/10 17:14	75-27-4	
Bromoform	ND	ug/kg	95.2	25		08/31/10 17:14	75-25-2	
Bromomethane	ND	ug/kg	95.2	25		08/31/10 17:14	74-83-9	
2-Butanone (MEK)	ND	ug/kg	476	25		08/31/10 17:14	78-93-3	
n-Butylbenzene	165	ug/kg	95.2	25		08/31/10 17:14	104-51-8	
sec-Butylbenzene	ND	ug/kg	95.2	25		08/31/10 17:14	135-98-8	
tert-Butylbenzene	ND	ug/kg	95.2	25		08/31/10 17:14	98-06-6	
Carbon disulfide	ND	ug/kg	190	25		08/31/10 17:14	75-15-0	
Carbon tetrachloride	ND	ug/kg	95.2	25		08/31/10 17:14	56-23-5	
Chlorobenzene	ND	ug/kg	95.2	25		08/31/10 17:14	108-90-7	
Chloroethane	ND	ug/kg	95.2	25		08/31/10 17:14	75-00-3	
Chloroform	ND	ug/kg	95.2	25		08/31/10 17:14	67-66-3	
Chloromethane	ND	ug/kg	95.2	25		08/31/10 17:14	74-87-3	
2-Chlorotoluene	ND	ug/kg	95.2	25		08/31/10 17:14	95-49-8	
4-Chlorotoluene	ND	ug/kg	95.2	25		08/31/10 17:14	106-43-4	
Dibromochloromethane	ND	ug/kg	95.2	25		08/31/10 17:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	95.2	25		08/31/10 17:14	106-93-4	
Dibromomethane	ND	ug/kg	95.2	25		08/31/10 17:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	95.2	25		08/31/10 17:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	95.2	25		08/31/10 17:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	95.2	25		08/31/10 17:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	1900	25		08/31/10 17:14	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	95.2	25		08/31/10 17:14	75-71-8	
1,1-Dichloroethane	ND	ug/kg	95.2	25		08/31/10 17:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	95.2	25		08/31/10 17:14	107-06-2	
1,1-Dichloroethene	ND	ug/kg	95.2	25		08/31/10 17:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	95.2	25		08/31/10 17:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	95.2	25		08/31/10 17:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	95.2	25		08/31/10 17:14	78-87-5	
1,3-Dichloropropane	ND	ug/kg	95.2	25		08/31/10 17:14	142-28-9	
2,2-Dichloropropane	ND	ug/kg	95.2	25		08/31/10 17:14	594-20-7	
1,1-Dichloropropene	ND	ug/kg	95.2	25		08/31/10 17:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	95.2	25		08/31/10 17:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	95.2	25		08/31/10 17:14	10061-02-6	
Ethylbenzene	ND	ug/kg	95.2	25		08/31/10 17:14	100-41-4	
Ethyl methacrylate	ND	ug/kg	190	25		08/31/10 17:14	97-63-2	

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ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-B103:S100112 **Lab ID:** 5040522041 Collected: 08/20/10 09:40 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	95.2	25		08/31/10 17:14	87-68-3	
n-Hexane	ND	ug/kg	95.2	25		08/31/10 17:14	110-54-3	
2-Hexanone	ND	ug/kg	1900	25		08/31/10 17:14	591-78-6	
Iodomethane	ND	ug/kg	1900	25		08/31/10 17:14	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	95.2	25		08/31/10 17:14	98-82-8	
p-Isopropyltoluene	112	ug/kg	95.2	25		08/31/10 17:14	99-87-6	
Methylene chloride	ND	ug/kg	381	25		08/31/10 17:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	476	25		08/31/10 17:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	95.2	25		08/31/10 17:14	1634-04-4	D3
Naphthalene	410	ug/kg	95.2	25		08/31/10 17:14	91-20-3	
n-Propylbenzene	ND	ug/kg	95.2	25		08/31/10 17:14	103-65-1	
Styrene	ND	ug/kg	95.2	25		08/31/10 17:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	95.2	25		08/31/10 17:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	95.2	25		08/31/10 17:14	79-34-5	
Tetrachloroethene	ND	ug/kg	95.2	25		08/31/10 17:14	127-18-4	
Toluene	ND	ug/kg	95.2	25		08/31/10 17:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	95.2	25		08/31/10 17:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	95.2	25		08/31/10 17:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	95.2	25		08/31/10 17:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	95.2	25		08/31/10 17:14	79-00-5	
Trichloroethene	ND	ug/kg	95.2	25		08/31/10 17:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	95.2	25		08/31/10 17:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	95.2	25		08/31/10 17:14	96-18-4	
1,2,4-Trimethylbenzene	388	ug/kg	95.2	25		08/31/10 17:14	95-63-6	
1,3,5-Trimethylbenzene	175	ug/kg	95.2	25		08/31/10 17:14	108-67-8	
Vinyl acetate	ND	ug/kg	1900	25		08/31/10 17:14	108-05-4	
Vinyl chloride	ND	ug/kg	95.2	25		08/31/10 17:14	75-01-4	
Xylene (Total)	ND	ug/kg	190	25		08/31/10 17:14	1330-20-7	
Dibromofluoromethane (S)	91	%	80-124	25		08/31/10 17:14	1868-53-7	
Toluene-d8 (S)	103	%	58-145	25		08/31/10 17:14	2037-26-5	
4-Bromofluorobenzene (S)	103	%	61-131	25		08/31/10 17:14	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	10.1 %		0.10	1		08/23/10 13:25		
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ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-B103:S100112A **Lab ID:** 5040522042 Collected: 08/20/10 09:40 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	1880	25		08/31/10 17:51	67-64-1	
Acrolein	ND	ug/kg	1880	25		08/31/10 17:51	107-02-8	
Acrylonitrile	ND	ug/kg	1880	25		08/31/10 17:51	107-13-1	
Benzene	ND	ug/kg	94.0	25		08/31/10 17:51	71-43-2	1d
Bromobenzene	ND	ug/kg	94.0	25		08/31/10 17:51	108-86-1	
Bromochloromethane	ND	ug/kg	94.0	25		08/31/10 17:51	74-97-5	
Bromodichloromethane	ND	ug/kg	94.0	25		08/31/10 17:51	75-27-4	
Bromoform	ND	ug/kg	94.0	25		08/31/10 17:51	75-25-2	
Bromomethane	ND	ug/kg	94.0	25		08/31/10 17:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	470	25		08/31/10 17:51	78-93-3	
n-Butylbenzene	164	ug/kg	94.0	25		08/31/10 17:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	94.0	25		08/31/10 17:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	94.0	25		08/31/10 17:51	98-06-6	
Carbon disulfide	ND	ug/kg	188	25		08/31/10 17:51	75-15-0	
Carbon tetrachloride	ND	ug/kg	94.0	25		08/31/10 17:51	56-23-5	
Chlorobenzene	ND	ug/kg	94.0	25		08/31/10 17:51	108-90-7	
Chloroethane	ND	ug/kg	94.0	25		08/31/10 17:51	75-00-3	
Chloroform	ND	ug/kg	94.0	25		08/31/10 17:51	67-66-3	
Chloromethane	ND	ug/kg	94.0	25		08/31/10 17:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	94.0	25		08/31/10 17:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	94.0	25		08/31/10 17:51	106-43-4	
Dibromochloromethane	ND	ug/kg	94.0	25		08/31/10 17:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	94.0	25		08/31/10 17:51	106-93-4	
Dibromomethane	ND	ug/kg	94.0	25		08/31/10 17:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	94.0	25		08/31/10 17:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	94.0	25		08/31/10 17:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	94.0	25		08/31/10 17:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	1880	25		08/31/10 17:51	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	94.0	25		08/31/10 17:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	94.0	25		08/31/10 17:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	94.0	25		08/31/10 17:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	94.0	25		08/31/10 17:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	94.0	25		08/31/10 17:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	94.0	25		08/31/10 17:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	94.0	25		08/31/10 17:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	94.0	25		08/31/10 17:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	94.0	25		08/31/10 17:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	94.0	25		08/31/10 17:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	94.0	25		08/31/10 17:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	94.0	25		08/31/10 17:51	10061-02-6	
Ethylbenzene	ND	ug/kg	94.0	25		08/31/10 17:51	100-41-4	
Ethyl methacrylate	ND	ug/kg	188	25		08/31/10 17:51	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	94.0	25		08/31/10 17:51	87-68-3	
n-Hexane	ND	ug/kg	94.0	25		08/31/10 17:51	110-54-3	
2-Hexanone	ND	ug/kg	1880	25		08/31/10 17:51	591-78-6	

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-
B103:S100112A **Lab ID:** 5040522042 Collected: 08/20/10 09:40 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Iodomethane	ND	ug/kg	1880	25		08/31/10 17:51	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	94.0	25		08/31/10 17:51	98-82-8	
p-Isopropyltoluene	109	ug/kg	94.0	25		08/31/10 17:51	99-87-6	
Methylene chloride	ND	ug/kg	376	25		08/31/10 17:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	470	25		08/31/10 17:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	94.0	25		08/31/10 17:51	1634-04-4	D3
Naphthalene	403	ug/kg	94.0	25		08/31/10 17:51	91-20-3	
n-Propylbenzene	ND	ug/kg	94.0	25		08/31/10 17:51	103-65-1	
Styrene	ND	ug/kg	94.0	25		08/31/10 17:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	94.0	25		08/31/10 17:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	94.0	25		08/31/10 17:51	79-34-5	
Tetrachloroethene	ND	ug/kg	94.0	25		08/31/10 17:51	127-18-4	
Toluene	ND	ug/kg	94.0	25		08/31/10 17:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	94.0	25		08/31/10 17:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	94.0	25		08/31/10 17:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	94.0	25		08/31/10 17:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	94.0	25		08/31/10 17:51	79-00-5	
Trichloroethene	ND	ug/kg	94.0	25		08/31/10 17:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	94.0	25		08/31/10 17:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	94.0	25		08/31/10 17:51	96-18-4	
1,2,4-Trimethylbenzene	386	ug/kg	94.0	25		08/31/10 17:51	95-63-6	
1,3,5-Trimethylbenzene	169	ug/kg	94.0	25		08/31/10 17:51	108-67-8	
Vinyl acetate	ND	ug/kg	1880	25		08/31/10 17:51	108-05-4	
Vinyl chloride	ND	ug/kg	94.0	25		08/31/10 17:51	75-01-4	
Xylene (Total)	ND	ug/kg	188	25		08/31/10 17:51	1330-20-7	
Dibromofluoromethane (S)	88	%	80-124	25		08/31/10 17:51	1868-53-7	
Toluene-d8 (S)	100	%	58-145	25		08/31/10 17:51	2037-26-5	
4-Bromofluorobenzene (S)	106	%	61-131	25		08/31/10 17:51	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	7.4	%	0.10	1		08/23/10 13:25		
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ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-B102:S005020 Lab ID: 5040522043 Collected: 08/20/10 09:53 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	178	mg/kg	10.7	1	08/21/10 12:20	08/25/10 15:40		
n-Pentacosane (S)	164	%	45-170	1	08/21/10 12:20	08/25/10 15:40	629-99-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.6	%	0.10	1		08/23/10 13:25		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: **SBI060:HSB-B102:S100114** Lab ID: **5040522044** Collected: 08/20/10 10:05 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	3360	mg/kg	219	20	08/21/10 12:20	08/25/10 21:34		
n-Pentacosane (S)	0 %		45-170	20	08/21/10 12:20	08/25/10 21:34	629-99-2	S4
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	75.8	1		08/31/10 18:29	67-64-1	
Acrolein	ND	ug/kg	75.8	1		08/31/10 18:29	107-02-8	
Acrylonitrile	ND	ug/kg	75.8	1		08/31/10 18:29	107-13-1	
Benzene	ND	ug/kg	3.8	1		08/31/10 18:29	71-43-2	
Bromobenzene	ND	ug/kg	3.8	1		08/31/10 18:29	108-86-1	
Bromochloromethane	ND	ug/kg	3.8	1		08/31/10 18:29	74-97-5	
Bromodichloromethane	ND	ug/kg	3.8	1		08/31/10 18:29	75-27-4	
Bromoform	ND	ug/kg	3.8	1		08/31/10 18:29	75-25-2	
Bromomethane	ND	ug/kg	3.8	1		08/31/10 18:29	74-83-9	
2-Butanone (MEK)	ND	ug/kg	19.0	1		08/31/10 18:29	78-93-3	
n-Butylbenzene	ND	ug/kg	3.8	1		08/31/10 18:29	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.8	1		08/31/10 18:29	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.8	1		08/31/10 18:29	98-06-6	
Carbon disulfide	ND	ug/kg	7.6	1		08/31/10 18:29	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.8	1		08/31/10 18:29	56-23-5	
Chlorobenzene	ND	ug/kg	3.8	1		08/31/10 18:29	108-90-7	
Chloroethane	ND	ug/kg	3.8	1		08/31/10 18:29	75-00-3	
Chloroform	ND	ug/kg	3.8	1		08/31/10 18:29	67-66-3	
Chloromethane	ND	ug/kg	3.8	1		08/31/10 18:29	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.8	1		08/31/10 18:29	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.8	1		08/31/10 18:29	106-43-4	
Dibromochloromethane	ND	ug/kg	3.8	1		08/31/10 18:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.8	1		08/31/10 18:29	106-93-4	
Dibromomethane	ND	ug/kg	3.8	1		08/31/10 18:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.8	1		08/31/10 18:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.8	1		08/31/10 18:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.8	1		08/31/10 18:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	75.8	1		08/31/10 18:29	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3.8	1		08/31/10 18:29	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.8	1		08/31/10 18:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.8	1		08/31/10 18:29	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.8	1		08/31/10 18:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1		08/31/10 18:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1		08/31/10 18:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.8	1		08/31/10 18:29	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.8	1		08/31/10 18:29	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.8	1		08/31/10 18:29	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.8	1		08/31/10 18:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1		08/31/10 18:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1		08/31/10 18:29	10061-02-6	
Ethylbenzene	ND	ug/kg	3.8	1		08/31/10 18:29	100-41-4	
Ethyl methacrylate	ND	ug/kg	7.6	1		08/31/10 18:29	97-63-2	

Date: 09/02/2010 11:51 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-B102:S100114 **Lab ID:** 5040522044 Collected: 08/20/10 10:05 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1		08/31/10 18:29	87-68-3	
n-Hexane	ND	ug/kg	3.8	1		08/31/10 18:29	110-54-3	
2-Hexanone	ND	ug/kg	75.8	1		08/31/10 18:29	591-78-6	
Iodomethane	ND	ug/kg	75.8	1		08/31/10 18:29	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1		08/31/10 18:29	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.8	1		08/31/10 18:29	99-87-6	
Methylene chloride	ND	ug/kg	15.2	1		08/31/10 18:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	19.0	1		08/31/10 18:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.8	1		08/31/10 18:29	1634-04-4	
Naphthalene	ND	ug/kg	3.8	1		08/31/10 18:29	91-20-3	
n-Propylbenzene	ND	ug/kg	3.8	1		08/31/10 18:29	103-65-1	
Styrene	ND	ug/kg	3.8	1		08/31/10 18:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1		08/31/10 18:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1		08/31/10 18:29	79-34-5	
Tetrachloroethene	3.8	ug/kg	3.8	1		08/31/10 18:29	127-18-4	
Toluene	ND	ug/kg	3.8	1		08/31/10 18:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1		08/31/10 18:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1		08/31/10 18:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.8	1		08/31/10 18:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.8	1		08/31/10 18:29	79-00-5	
Trichloroethene	ND	ug/kg	3.8	1		08/31/10 18:29	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.8	1		08/31/10 18:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.8	1		08/31/10 18:29	96-18-4	
1,2,4-Trimethylbenzene	4.4	ug/kg	3.8	1		08/31/10 18:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1		08/31/10 18:29	108-67-8	
Vinyl acetate	ND	ug/kg	75.8	1		08/31/10 18:29	108-05-4	
Vinyl chloride	ND	ug/kg	3.8	1		08/31/10 18:29	75-01-4	
Xylene (Total)	ND	ug/kg	7.6	1		08/31/10 18:29	1330-20-7	
Dibromofluoromethane (S)	108	%	80-124	1		08/31/10 18:29	1868-53-7	
Toluene-d8 (S)	124	%	58-145	1		08/31/10 18:29	2037-26-5	
4-Bromofluorobenzene (S)	73	%	61-131	1		08/31/10 18:29	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	8.6	%	0.10	1		08/23/10 13:25		
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ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-B101:S005020 Lab ID: 5040522045 Collected: 08/20/10 10:15 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	877	mg/kg	53.1	5	08/21/10 12:20	08/25/10 16:58		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:20	08/25/10 16:58	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.9	%	0.10	1		08/23/10 13:25		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-B101:S070080 Lab ID: 5040522046 Collected: 08/20/10 10:30 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	746	mg/kg	55.2	5	08/21/10 12:20	08/25/10 21:27		
n-Pentacosane (S)	0 %		45-170	5	08/21/10 12:20	08/25/10 21:27	629-99-2	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.5	%	0.10	1		08/23/10 13:25		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:EB1:W082010 **Lab ID: 5040522047** Collected: 08/20/10 11:00 Received: 08/20/10 15:17 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3510								
High End Organics (C8-C34)	ND mg/L		0.11	1	08/22/10 21:37	08/24/10 11:34		
n-Pentacosane (S)	92 %		40-156	1	08/22/10 21:37	08/24/10 11:34	629-99-2	
8260 MSV								
Analytical Method: EPA 8260								
Acetone	ND ug/L		100	1		08/31/10 19:06	67-64-1	
Acrolein	ND ug/L		100	1		08/31/10 19:06	107-02-8	
Acrylonitrile	ND ug/L		100	1		08/31/10 19:06	107-13-1	
Benzene	ND ug/L		5.0	1		08/31/10 19:06	71-43-2	
Bromobenzene	ND ug/L		5.0	1		08/31/10 19:06	108-86-1	
Bromochloromethane	ND ug/L		5.0	1		08/31/10 19:06	74-97-5	
Bromodichloromethane	ND ug/L		5.0	1		08/31/10 19:06	75-27-4	
Bromoform	ND ug/L		5.0	1		08/31/10 19:06	75-25-2	
Bromomethane	ND ug/L		5.0	1		08/31/10 19:06	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		08/31/10 19:06	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		08/31/10 19:06	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		08/31/10 19:06	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		08/31/10 19:06	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		08/31/10 19:06	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		08/31/10 19:06	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		08/31/10 19:06	108-90-7	
Chloroethane	ND ug/L		5.0	1		08/31/10 19:06	75-00-3	
Chloroform	ND ug/L		5.0	1		08/31/10 19:06	67-66-3	
Chloromethane	ND ug/L		5.0	1		08/31/10 19:06	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		08/31/10 19:06	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		08/31/10 19:06	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		08/31/10 19:06	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		08/31/10 19:06	106-93-4	
Dibromomethane	ND ug/L		5.0	1		08/31/10 19:06	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		08/31/10 19:06	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		08/31/10 19:06	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		08/31/10 19:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		08/31/10 19:06	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		08/31/10 19:06	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		08/31/10 19:06	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		08/31/10 19:06	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		08/31/10 19:06	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		08/31/10 19:06	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		08/31/10 19:06	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		08/31/10 19:06	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		08/31/10 19:06	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		08/31/10 19:06	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		08/31/10 19:06	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		08/31/10 19:06	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		08/31/10 19:06	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		08/31/10 19:06	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		08/31/10 19:06	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		08/31/10 19:06	87-68-3	

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ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:EB1:W082010 **Lab ID: 5040522047** Collected: 08/20/10 11:00 Received: 08/20/10 15:17 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
n-Hexane	ND	ug/L	5.0	1		08/31/10 19:06	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/31/10 19:06	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/31/10 19:06	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/31/10 19:06	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/31/10 19:06	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		08/31/10 19:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/31/10 19:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/31/10 19:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/31/10 19:06	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/31/10 19:06	103-65-1	
Styrene	ND	ug/L	5.0	1		08/31/10 19:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/31/10 19:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/31/10 19:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/31/10 19:06	127-18-4	
Toluene	ND	ug/L	5.0	1		08/31/10 19:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/31/10 19:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/31/10 19:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/31/10 19:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/31/10 19:06	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/31/10 19:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/31/10 19:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/31/10 19:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/31/10 19:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/31/10 19:06	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		08/31/10 19:06	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/31/10 19:06	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/31/10 19:06	1330-20-7	
Dibromofluoromethane (S)	99 %		80-123	1		08/31/10 19:06	1868-53-7	
4-Bromofluorobenzene (S)	101 %		70-126	1		08/31/10 19:06	460-00-4	
Toluene-d8 (S)	106 %		80-116	1		08/31/10 19:06	2037-26-5	

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: TRIP BLANK	Lab ID: 5040522048	Collected: 08/19/10 08:00	Received: 08/20/10 15:17	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		08/31/10 19:44	67-64-1	
Acrolein	ND ug/L		100	1		08/31/10 19:44	107-02-8	
Acrylonitrile	ND ug/L		100	1		08/31/10 19:44	107-13-1	
Benzene	ND ug/L		5.0	1		08/31/10 19:44	71-43-2	
Bromobenzene	ND ug/L		5.0	1		08/31/10 19:44	108-86-1	
Bromochloromethane	ND ug/L		5.0	1		08/31/10 19:44	74-97-5	
Bromodichloromethane	ND ug/L		5.0	1		08/31/10 19:44	75-27-4	
Bromoform	ND ug/L		5.0	1		08/31/10 19:44	75-25-2	
Bromomethane	ND ug/L		5.0	1		08/31/10 19:44	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		08/31/10 19:44	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		08/31/10 19:44	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		08/31/10 19:44	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		08/31/10 19:44	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		08/31/10 19:44	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		08/31/10 19:44	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		08/31/10 19:44	108-90-7	
Chloroethane	ND ug/L		5.0	1		08/31/10 19:44	75-00-3	
Chloroform	ND ug/L		5.0	1		08/31/10 19:44	67-66-3	
Chloromethane	ND ug/L		5.0	1		08/31/10 19:44	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		08/31/10 19:44	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		08/31/10 19:44	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		08/31/10 19:44	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		08/31/10 19:44	106-93-4	
Dibromomethane	ND ug/L		5.0	1		08/31/10 19:44	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		08/31/10 19:44	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		08/31/10 19:44	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		08/31/10 19:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		08/31/10 19:44	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		08/31/10 19:44	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		08/31/10 19:44	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		08/31/10 19:44	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		08/31/10 19:44	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		08/31/10 19:44	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		08/31/10 19:44	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		08/31/10 19:44	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		08/31/10 19:44	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		08/31/10 19:44	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		08/31/10 19:44	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		08/31/10 19:44	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		08/31/10 19:44	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		08/31/10 19:44	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		08/31/10 19:44	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		08/31/10 19:44	87-68-3	
n-Hexane	ND ug/L		5.0	1		08/31/10 19:44	110-54-3	
2-Hexanone	ND ug/L		25.0	1		08/31/10 19:44	591-78-6	
Iodomethane	ND ug/L		10.0	1		08/31/10 19:44	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		08/31/10 19:44	98-82-8	

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ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: TRIP BLANK		Lab ID: 5040522048	Collected: 08/19/10 08:00	Received: 08/20/10 15:17	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/31/10 19:44	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		08/31/10 19:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/31/10 19:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/31/10 19:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/31/10 19:44	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/31/10 19:44	103-65-1	
Styrene	ND	ug/L	5.0	1		08/31/10 19:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/31/10 19:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/31/10 19:44	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/31/10 19:44	127-18-4	
Toluene	ND	ug/L	5.0	1		08/31/10 19:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/31/10 19:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/31/10 19:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/31/10 19:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/31/10 19:44	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/31/10 19:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/31/10 19:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/31/10 19:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/31/10 19:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/31/10 19:44	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		08/31/10 19:44	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/31/10 19:44	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/31/10 19:44	1330-20-7	
Dibromofluoromethane (S)	98 %		80-123	1		08/31/10 19:44	1868-53-7	
4-Bromofluorobenzene (S)	100 %		70-126	1		08/31/10 19:44	460-00-4	
Toluene-d8 (S)	106 %		80-116	1		08/31/10 19:44	2037-26-5	

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-B107:S005020 Lab ID: 5040522049 Collected: 08/20/10 11:10 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	218	mg/kg	10.9	1	08/21/10 12:20	08/25/10 16:02		
n-Pentacosane (S)	219	%	45-170	1	08/21/10 12:20	08/25/10 16:02	629-99-2	4d
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.0	%	0.10	1		08/23/10 13:25		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-B107:S100120 Lab ID: 5040522050 Collected: 08/20/10 11:20 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	ND	mg/kg	10.6	1	08/21/10 12:20	08/25/10 16:09		
n-Pentacosane (S)	88 %		45-170	1	08/21/10 12:20	08/25/10 16:09	629-99-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.3 %		0.10	1		08/23/10 13:25		

ANALYTICAL RESULTS

Project: SBI060

Pace Project No.: 5040522

Sample: SBI060:HSB-B108:S005020 Lab ID: 5040522051 Collected: 08/20/10 11:25 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	182	mg/kg	10.9	1	08/21/10 12:20	08/25/10 16:16		
n-Pentacosane (S)	197	%	45-170	1	08/21/10 12:20	08/25/10 16:16	629-99-2	4d
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.3	%	0.10	1		08/23/10 13:25		

ANALYTICAL RESULTS

Project: SBI060
Pace Project No.: 5040522

Sample: SBI060:HSB-B108:S100120 Lab ID: 5040522052 Collected: 08/20/10 11:30 Received: 08/20/10 15:17 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	ND	mg/kg	10.8	1	08/21/10 12:20	08/25/10 16:23		
n-Pentacosane (S)	78	%	45-170	1	08/21/10 12:20	08/25/10 16:23	629-99-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.4	%	0.10	1		08/23/10 13:25		

QUALITY CONTROL DATA

Project: SBI060
Pace Project No.: 5040522

QC Batch: OEXT/20349 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3510 Analysis Description: EPA 8015 Modified
Associated Lab Samples: 5040522032, 5040522047

METHOD BLANK: 470449 Matrix: Water
Associated Lab Samples: 5040522032, 5040522047

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
High End Organics (C8-C34)	mg/L	ND	0.10	08/24/10 11:13	
n-Pentacosane (S)	%	98	40-156	08/24/10 11:13	

LABORATORY CONTROL SAMPLE: 470450

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
High End Organics (C8-C34)	mg/L	2.5	2.1	83	42-136	
n-Pentacosane (S)	%			88	40-156	

QUALITY CONTROL DATA

Project: SBI060

Pace Project No.: 5040522

QC Batch: OEXT/20352 Analysis Method: EPA 8015 Mod Ext
 QC Batch Method: EPA 3546 Analysis Description: EPA 8015 Modified
 Associated Lab Samples: 5040522001, 5040522002, 5040522003, 5040522004, 5040522005, 5040522006, 5040522007, 5040522008, 5040522009, 5040522010, 5040522011, 5040522012, 5040522013, 5040522014, 5040522015, 5040522016, 5040522017, 5040522018, 5040522019, 5040522020

METHOD BLANK: 470461 Matrix: Solid
 Associated Lab Samples: 5040522001, 5040522002, 5040522003, 5040522004, 5040522005, 5040522006, 5040522007, 5040522008, 5040522009, 5040522010, 5040522011, 5040522012, 5040522013, 5040522014, 5040522015, 5040522016, 5040522017, 5040522018, 5040522019, 5040522020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
High End Organics (C8-C34)	mg/kg	ND	10.0	08/24/10 19:15	
n-Pentacosane (S)	%	75	45-170	08/24/10 19:15	

LABORATORY CONTROL SAMPLE: 470462

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
High End Organics (C8-C34)	mg/kg	83.3	54.2	65	41-139	
n-Pentacosane (S)	%			61	45-170	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 470463 470464

Parameter	Units	5040522001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
High End Organics (C8-C34)	mg/kg	667	89.2	89.2	654	667	-15	-2	40-146	2	20	P6
n-Pentacosane (S)	%						0	0	45-170		20	S4

QUALITY CONTROL DATA

Project: SBI060
Pace Project No.: 5040522

QC Batch: OEXT/20353 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 Modified
Associated Lab Samples: 5040522033, 5040522034, 5040522035, 5040522036, 5040522037, 5040522038, 5040522039, 5040522040, 5040522041, 5040522043, 5040522044, 5040522045, 5040522046, 5040522049, 5040522050, 5040522051, 5040522052

METHOD BLANK: 470465 Matrix: Solid
Associated Lab Samples: 5040522033, 5040522034, 5040522035, 5040522036, 5040522037, 5040522038, 5040522039, 5040522040, 5040522041, 5040522043, 5040522044, 5040522045, 5040522046, 5040522049, 5040522050, 5040522051, 5040522052

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
High End Organics (C8-C34)	mg/kg	ND	10.0	08/25/10 13:54	
n-Pentacosane (S)	%	89	45-170	08/25/10 13:54	

LABORATORY CONTROL SAMPLE: 470466

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
High End Organics (C8-C34)	mg/kg	83.3	56.5	68	41-139	
n-Pentacosane (S)	%			76	45-170	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 470467 470468

Parameter	Units	5040522033 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
High End Organics (C8-C34)	mg/kg	350	88.9	88.9	284	351	-74	.4	40-146	21	20	P6,R1
n-Pentacosane (S)	%						223	263	45-170		20	4d

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 470469 470470

Parameter	Units	5040522039 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
High End Organics (C8-C34)	mg/kg	509	90.5	90.5	514	631	6	134	40-146	20	20	P6
n-Pentacosane (S)	%						0	0	45-170		20	S4

QUALITY CONTROL DATA

Project: SBI060

Pace Project No.: 5040522

QC Batch:	OEXT/20354	Analysis Method:	EPA 8015 Mod Ext
QC Batch Method:	EPA 3546	Analysis Description:	EPA 8015 Modified
Associated Lab Samples:	5040522021, 5040522022, 5040522023, 5040522024, 5040522025, 5040522026, 5040522027, 5040522028, 5040522029, 5040522030, 5040522031		

METHOD BLANK:	470471	Matrix:	Solid
Associated Lab Samples:	5040522021, 5040522022, 5040522023, 5040522024, 5040522025, 5040522026, 5040522027, 5040522028, 5040522029, 5040522030, 5040522031		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
High End Organics (C8-C34)	mg/kg	ND	10.0	08/25/10 12:37	
n-Pentacosane (S)	%	70	45-170	08/25/10 12:37	

LABORATORY CONTROL SAMPLE: 470472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
High End Organics (C8-C34)	mg/kg	83.3	58.9	71	41-139	
n-Pentacosane (S)	%			63	45-170	

QUALITY CONTROL DATA

Project: SBI060
Pace Project No.: 5040522

QC Batch: MSV/26363 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5040522047, 5040522048

METHOD BLANK: 474695 Matrix: Water
Associated Lab Samples: 5040522047, 5040522048

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/31/10 12:51	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/31/10 12:51	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/31/10 12:51	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/31/10 12:51	
1,1-Dichloroethane	ug/L	ND	5.0	08/31/10 12:51	
1,1-Dichloroethene	ug/L	ND	5.0	08/31/10 12:51	
1,1-Dichloropropene	ug/L	ND	5.0	08/31/10 12:51	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/31/10 12:51	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/31/10 12:51	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/31/10 12:51	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/31/10 12:51	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/31/10 12:51	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/31/10 12:51	
1,2-Dichloroethane	ug/L	ND	5.0	08/31/10 12:51	
1,2-Dichloropropane	ug/L	ND	5.0	08/31/10 12:51	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/31/10 12:51	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/31/10 12:51	
1,3-Dichloropropane	ug/L	ND	5.0	08/31/10 12:51	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/31/10 12:51	
2,2-Dichloropropane	ug/L	ND	5.0	08/31/10 12:51	
2-Butanone (MEK)	ug/L	ND	25.0	08/31/10 12:51	
2-Chlorotoluene	ug/L	ND	5.0	08/31/10 12:51	
2-Hexanone	ug/L	ND	25.0	08/31/10 12:51	
4-Chlorotoluene	ug/L	ND	5.0	08/31/10 12:51	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/31/10 12:51	
Acetone	ug/L	ND	100	08/31/10 12:51	
Acrolein	ug/L	ND	100	08/31/10 12:51	
Acrylonitrile	ug/L	ND	100	08/31/10 12:51	
Benzene	ug/L	ND	5.0	08/31/10 12:51	
Bromobenzene	ug/L	ND	5.0	08/31/10 12:51	
Bromochloromethane	ug/L	ND	5.0	08/31/10 12:51	
Bromodichloromethane	ug/L	ND	5.0	08/31/10 12:51	
Bromoform	ug/L	ND	5.0	08/31/10 12:51	
Bromomethane	ug/L	ND	5.0	08/31/10 12:51	
Carbon disulfide	ug/L	ND	10.0	08/31/10 12:51	
Carbon tetrachloride	ug/L	ND	5.0	08/31/10 12:51	
Chlorobenzene	ug/L	ND	5.0	08/31/10 12:51	
Chloroethane	ug/L	ND	5.0	08/31/10 12:51	
Chloroform	ug/L	ND	5.0	08/31/10 12:51	
Chloromethane	ug/L	ND	5.0	08/31/10 12:51	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/31/10 12:51	
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/31/10 12:51	
Dibromochloromethane	ug/L	ND	5.0	08/31/10 12:51	

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QUALITY CONTROL DATA

Project: SBI060
Pace Project No.: 5040522

METHOD BLANK: 474695 Matrix: Water

Associated Lab Samples: 5040522047, 5040522048

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	5.0	08/31/10 12:51	
Dichlorodifluoromethane	ug/L	ND	5.0	08/31/10 12:51	
Ethyl methacrylate	ug/L	ND	100	08/31/10 12:51	
Ethylbenzene	ug/L	ND	5.0	08/31/10 12:51	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/31/10 12:51	
Iodomethane	ug/L	ND	10.0	08/31/10 12:51	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/31/10 12:51	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/31/10 12:51	
Methylene chloride	ug/L	ND	5.0	08/31/10 12:51	
n-Butylbenzene	ug/L	ND	5.0	08/31/10 12:51	
n-Hexane	ug/L	ND	5.0	08/31/10 12:51	
n-Propylbenzene	ug/L	ND	5.0	08/31/10 12:51	
Naphthalene	ug/L	ND	5.0	08/31/10 12:51	
p-Isopropyltoluene	ug/L	ND	5.0	08/31/10 12:51	
sec-Butylbenzene	ug/L	ND	5.0	08/31/10 12:51	
Styrene	ug/L	ND	5.0	08/31/10 12:51	
tert-Butylbenzene	ug/L	ND	5.0	08/31/10 12:51	
Tetrachloroethene	ug/L	ND	5.0	08/31/10 12:51	
Toluene	ug/L	ND	5.0	08/31/10 12:51	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/31/10 12:51	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/31/10 12:51	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/31/10 12:51	
Trichloroethene	ug/L	ND	5.0	08/31/10 12:51	
Trichlorofluoromethane	ug/L	ND	5.0	08/31/10 12:51	
Vinyl acetate	ug/L	ND	10.0	08/31/10 12:51	
Vinyl chloride	ug/L	ND	2.0	08/31/10 12:51	
Xylene (Total)	ug/L	ND	10.0	08/31/10 12:51	
4-Bromofluorobenzene (S)	%	97	70-126	08/31/10 12:51	
Dibromofluoromethane (S)	%	97	80-123	08/31/10 12:51	
Toluene-d8 (S)	%	106	80-116	08/31/10 12:51	

LABORATORY CONTROL SAMPLE: 474696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.0	90	69-130	
1,1,1-Trichloroethane	ug/L	50	50.0	100	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	45.7	91	69-131	
1,1,2-Trichloroethane	ug/L	50	45.9	92	77-132	
1,1-Dichloroethane	ug/L	50	45.7	91	67-133	
1,1-Dichloroethene	ug/L	50	52.7	105	63-128	
1,1-Dichloropropene	ug/L	50	49.9	100	75-134	
1,2,3-Trichlorobenzene	ug/L	50	50.5	101	58-131	
1,2,3-Trichloropropane	ug/L	100	86.0	86	60-131	
1,2,4-Trichlorobenzene	ug/L	50	48.7	97	60-130	
1,2,4-Trimethylbenzene	ug/L	50	44.7	89	73-130	

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QUALITY CONTROL DATA

Project: SBI060

Pace Project No.: 5040522

LABORATORY CONTROL SAMPLE: 474696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	46.9	94	75-126	
1,2-Dichlorobenzene	ug/L	50	46.7	93	76-124	
1,2-Dichloroethane	ug/L	50	46.8	94	69-139	
1,2-Dichloropropane	ug/L	50	45.5	91	76-129	
1,3,5-Trimethylbenzene	ug/L	50	44.9	90	74-130	
1,3-Dichlorobenzene	ug/L	50	47.7	95	76-125	
1,3-Dichloropropane	ug/L	50	45.4	91	74-126	
1,4-Dichlorobenzene	ug/L	50	46.7	93	75-122	
2,2-Dichloropropane	ug/L	50	49.6	99	53-144	
2-Butanone (MEK)	ug/L	250	300	120	47-189	
2-Chlorotoluene	ug/L	50	47.7	95	72-128	
2-Hexanone	ug/L	250	259	104	57-167	
4-Chlorotoluene	ug/L	50	48.7	97	73-124	
4-Methyl-2-pentanone (MIBK)	ug/L	250	221	88	61-135	
Acetone	ug/L	250	467	187	30-170	L3
Acrolein	ug/L	1000	1050	105	30-170	
Acrylonitrile	ug/L	1000	848	85	67-136	
Benzene	ug/L	50	47.1	94	78-127	
Bromobenzene	ug/L	50	41.7	83	62-139	
Bromochloromethane	ug/L	50	46.3	93	54-162	
Bromodichloromethane	ug/L	50	46.3	93	69-133	
Bromoform	ug/L	50	43.2	86	60-127	
Bromomethane	ug/L	50	91.8	184	30-170	L3
Carbon disulfide	ug/L	100	99.0	99	58-152	
Carbon tetrachloride	ug/L	50	51.3	103	62-143	
Chlorobenzene	ug/L	50	46.4	93	75-123	
Chloroethane	ug/L	50	72.0	144	56-153	
Chloroform	ug/L	50	45.2	90	74-131	
Chloromethane	ug/L	50	54.8	110	35-147	
cis-1,2-Dichloroethene	ug/L	50	50.2	100	74-128	
cis-1,3-Dichloropropene	ug/L	50	45.5	91	58-123	
Dibromochloromethane	ug/L	50	44.2	88	66-131	
Dibromomethane	ug/L	50	46.0	92	73-133	
Dichlorodifluoromethane	ug/L	50	87.4	175	30-170	L3
Ethyl methacrylate	ug/L	200	178	89	59-138	
Ethylbenzene	ug/L	50	44.5	89	81-126	
Hexachloro-1,3-butadiene	ug/L	50	50.7	101	70-130	
Iodomethane	ug/L	100	102	102	41-170	
Isopropylbenzene (Cumene)	ug/L	50	42.9	86	80-130	
Methyl-tert-butyl ether	ug/L	100	83.4	83	66-147	
Methylene chloride	ug/L	50	42.2	84	32-164	
n-Butylbenzene	ug/L	50	44.2	88	68-135	
n-Hexane	ug/L	50	49.0	98	69-157	
n-Propylbenzene	ug/L	50	46.3	93	71-132	
Naphthalene	ug/L	50	48.9	98	61-135	
p-Isopropyltoluene	ug/L	50	45.3	91	66-131	
sec-Butylbenzene	ug/L	50	45.2	90	73-130	
Styrene	ug/L	50	43.2	86	74-128	

QUALITY CONTROL DATA

Project: SBI060
Pace Project No.: 5040522

LABORATORY CONTROL SAMPLE: 474696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	36.3	73	63-117	
Tetrachloroethene	ug/L	50	45.2	90	60-119	
Toluene	ug/L	50	46.5	93	75-129	
trans-1,2-Dichloroethene	ug/L	50	48.7	97	71-126	
trans-1,3-Dichloropropene	ug/L	50	43.9	88	54-123	
trans-1,4-Dichloro-2-butene	ug/L	200	153	77	47-141	
Trichloroethene	ug/L	50	48.0	96	74-130	
Trichlorofluoromethane	ug/L	50	57.6	115	62-150	
Vinyl acetate	ug/L	200	127	63	41-145	
Vinyl chloride	ug/L	50	62.2	124	55-141	
Xylene (Total)	ug/L	150	133	89	76-132	
4-Bromofluorobenzene (S)	%			96	70-126	
Dibromofluoromethane (S)	%			104	80-123	
Toluene-d8 (S)	%			98	80-116	

QUALITY CONTROL DATA

Project: SBI060
Pace Project No.: 5040522

QC Batch: MSV/26362 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5040522039, 5040522041, 5040522042, 5040522044

METHOD BLANK: 474691 Matrix: Solid
Associated Lab Samples: 5040522039, 5040522041, 5040522042, 5040522044

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	08/31/10 12:51	
1,1,1-Trichloroethane	ug/kg	ND	5.0	08/31/10 12:51	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	08/31/10 12:51	
1,1,2-Trichloroethane	ug/kg	ND	5.0	08/31/10 12:51	
1,1-Dichloroethane	ug/kg	ND	5.0	08/31/10 12:51	
1,1-Dichloroethene	ug/kg	ND	5.0	08/31/10 12:51	
1,1-Dichloropropene	ug/kg	ND	5.0	08/31/10 12:51	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	08/31/10 12:51	
1,2,3-Trichloropropane	ug/kg	ND	5.0	08/31/10 12:51	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	08/31/10 12:51	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	08/31/10 12:51	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	08/31/10 12:51	
1,2-Dichlorobenzene	ug/kg	ND	5.0	08/31/10 12:51	
1,2-Dichloroethane	ug/kg	ND	5.0	08/31/10 12:51	
1,2-Dichloropropane	ug/kg	ND	5.0	08/31/10 12:51	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	08/31/10 12:51	
1,3-Dichlorobenzene	ug/kg	ND	5.0	08/31/10 12:51	
1,3-Dichloropropane	ug/kg	ND	5.0	08/31/10 12:51	
1,4-Dichlorobenzene	ug/kg	ND	5.0	08/31/10 12:51	
2,2-Dichloropropane	ug/kg	ND	5.0	08/31/10 12:51	
2-Butanone (MEK)	ug/kg	ND	25.0	08/31/10 12:51	
2-Chlorotoluene	ug/kg	ND	5.0	08/31/10 12:51	
2-Hexanone	ug/kg	ND	100	08/31/10 12:51	
4-Chlorotoluene	ug/kg	ND	5.0	08/31/10 12:51	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	08/31/10 12:51	
Acetone	ug/kg	ND	100	08/31/10 12:51	
Acrolein	ug/kg	ND	100	08/31/10 12:51	
Acrylonitrile	ug/kg	ND	100	08/31/10 12:51	
Benzene	ug/kg	ND	5.0	08/31/10 12:51	
Bromobenzene	ug/kg	ND	5.0	08/31/10 12:51	
Bromochloromethane	ug/kg	ND	5.0	08/31/10 12:51	
Bromodichloromethane	ug/kg	ND	5.0	08/31/10 12:51	
Bromoform	ug/kg	ND	5.0	08/31/10 12:51	
Bromomethane	ug/kg	ND	5.0	08/31/10 12:51	
Carbon disulfide	ug/kg	ND	10.0	08/31/10 12:51	
Carbon tetrachloride	ug/kg	ND	5.0	08/31/10 12:51	
Chlorobenzene	ug/kg	ND	5.0	08/31/10 12:51	
Chloroethane	ug/kg	ND	5.0	08/31/10 12:51	
Chloroform	ug/kg	ND	5.0	08/31/10 12:51	
Chloromethane	ug/kg	ND	5.0	08/31/10 12:51	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	08/31/10 12:51	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	08/31/10 12:51	
Dibromochloromethane	ug/kg	ND	5.0	08/31/10 12:51	

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QUALITY CONTROL DATA

Project: SBI060
Pace Project No.: 5040522

METHOD BLANK: 474691 Matrix: Solid
Associated Lab Samples: 5040522039, 5040522041, 5040522042, 5040522044

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	08/31/10 12:51	
Dichlorodifluoromethane	ug/kg	ND	5.0	08/31/10 12:51	
Ethyl methacrylate	ug/kg	ND	10.0	08/31/10 12:51	
Ethylbenzene	ug/kg	ND	5.0	08/31/10 12:51	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	08/31/10 12:51	
Iodomethane	ug/kg	ND	100	08/31/10 12:51	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	08/31/10 12:51	
Methyl-tert-butyl ether	ug/kg	ND	5.0	08/31/10 12:51	
Methylene chloride	ug/kg	ND	20.0	08/31/10 12:51	
n-Butylbenzene	ug/kg	ND	5.0	08/31/10 12:51	
n-Hexane	ug/kg	ND	5.0	08/31/10 12:51	
n-Propylbenzene	ug/kg	ND	5.0	08/31/10 12:51	
Naphthalene	ug/kg	ND	5.0	08/31/10 12:51	
p-Isopropyltoluene	ug/kg	ND	5.0	08/31/10 12:51	
sec-Butylbenzene	ug/kg	ND	5.0	08/31/10 12:51	
Styrene	ug/kg	ND	5.0	08/31/10 12:51	
tert-Butylbenzene	ug/kg	ND	5.0	08/31/10 12:51	
Tetrachloroethene	ug/kg	ND	5.0	08/31/10 12:51	
Toluene	ug/kg	ND	5.0	08/31/10 12:51	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	08/31/10 12:51	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	08/31/10 12:51	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	08/31/10 12:51	
Trichloroethene	ug/kg	ND	5.0	08/31/10 12:51	
Trichlorofluoromethane	ug/kg	ND	5.0	08/31/10 12:51	
Vinyl acetate	ug/kg	ND	100	08/31/10 12:51	
Vinyl chloride	ug/kg	ND	5.0	08/31/10 12:51	
Xylene (Total)	ug/kg	ND	10.0	08/31/10 12:51	
4-Bromofluorobenzene (S)	%	97	61-131	08/31/10 12:51	
Dibromofluoromethane (S)	%	97	80-124	08/31/10 12:51	
Toluene-d8 (S)	%	106	58-145	08/31/10 12:51	

LABORATORY CONTROL SAMPLE: 474692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	45.0	90	65-124	
1,1,1-Trichloroethane	ug/kg	50	50.0	100	61-135	
1,1,2,2-Tetrachloroethane	ug/kg	50	45.7	91	66-124	
1,1,2-Trichloroethane	ug/kg	50	45.9	92	74-127	
1,1-Dichloroethane	ug/kg	50	45.7	91	62-132	
1,1-Dichloroethene	ug/kg	50	52.7	105	61-123	
1,1-Dichloropropene	ug/kg	50	49.9	100	74-128	
1,2,3-Trichlorobenzene	ug/kg	50	50.5	101	60-125	
1,2,3-Trichloropropane	ug/kg	100	86.0	86	61-120	
1,2,4-Trichlorobenzene	ug/kg	50	48.7	97	58-126	
1,2,4-Trimethylbenzene	ug/kg	50	44.7	89	72-120	

QUALITY CONTROL DATA

Project: SBI060

Pace Project No.: 5040522

LABORATORY CONTROL SAMPLE: 474692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	50	46.9	94	74-119	
1,2-Dichlorobenzene	ug/kg	50	46.7	93	75-117	
1,2-Dichloroethane	ug/kg	50	46.8	94	62-135	
1,2-Dichloropropane	ug/kg	50	45.5	91	74-124	
1,3,5-Trimethylbenzene	ug/kg	50	44.9	90	73-122	
1,3-Dichlorobenzene	ug/kg	50	47.7	95	73-120	
1,3-Dichloropropane	ug/kg	50	45.4	91	71-122	
1,4-Dichlorobenzene	ug/kg	50	46.7	93	72-118	
2,2-Dichloropropane	ug/kg	50	49.6	99	53-136	
2-Butanone (MEK)	ug/kg	250	300	120	33-190	
2-Chlorotoluene	ug/kg	50	47.7	95	72-122	
2-Hexanone	ug/kg	250	259	104	44-168	
4-Chlorotoluene	ug/kg	50	48.7	97	72-120	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	221	88	58-126	
Acetone	ug/kg	250	467	187	30-190	
Acrolein	ug/kg	1000	1050	105	30-190	
Acrylonitrile	ug/kg	1000	848	85	65-129	
Benzene	ug/kg	50	47.1	94	76-123	
Bromobenzene	ug/kg	50	41.7	83	74-116	
Bromochloromethane	ug/kg	50	46.3	93	56-143	
Bromodichloromethane	ug/kg	50	46.3	93	67-123	
Bromoform	ug/kg	50	43.2	86	58-117	
Bromomethane	ug/kg	50	91.8	184	47-147	L3
Carbon disulfide	ug/kg	100	99.0	99	56-141	
Carbon tetrachloride	ug/kg	50	51.3	103	54-136	
Chlorobenzene	ug/kg	50	46.4	93	75-115	
Chloroethane	ug/kg	50	72.0	144	57-147	
Chloroform	ug/kg	50	45.2	90	74-123	
Chloromethane	ug/kg	50	54.8	110	31-155	
cis-1,2-Dichloroethene	ug/kg	50	50.2	100	76-119	
cis-1,3-Dichloropropene	ug/kg	50	45.5	91	56-110	
Dibromochloromethane	ug/kg	50	44.2	88	63-122	
Dibromomethane	ug/kg	50	46.0	92	70-127	
Dichlorodifluoromethane	ug/kg	50	87.4	175	30-170	L3
Ethyl methacrylate	ug/kg	200	178	89	58-126	
Ethylbenzene	ug/kg	50	44.5	89	78-121	
Hexachloro-1,3-butadiene	ug/kg	50	50.7	101	65-128	
Iodomethane	ug/kg	100	102	102	38-173	
Isopropylbenzene (Cumene)	ug/kg	50	42.9	86	75-128	
Methyl-tert-butyl ether	ug/kg	100	83.4	83	59-142	
Methylene chloride	ug/kg	50	42.2	84	30-170	
n-Butylbenzene	ug/kg	50	44.2	88	70-123	
n-Hexane	ug/kg	50	49.0	98	76-143	
n-Propylbenzene	ug/kg	50	46.3	93	70-126	
Naphthalene	ug/kg	50	48.9	98	60-128	
p-Isopropyltoluene	ug/kg	50	45.3	91	65-125	
sec-Butylbenzene	ug/kg	50	45.2	90	72-125	
Styrene	ug/kg	50	43.2	86	75-118	

QUALITY CONTROL DATA

Project: SBI060

Pace Project No.: 5040522

LABORATORY CONTROL SAMPLE: 474692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	50	36.3	73	61-114	
Tetrachloroethene	ug/kg	50	45.2	90	63-117	
Toluene	ug/kg	50	46.5	93	72-123	
trans-1,2-Dichloroethene	ug/kg	50	48.7	97	70-122	
trans-1,3-Dichloropropene	ug/kg	50	43.9	88	55-107	
trans-1,4-Dichloro-2-butene	ug/kg	200	153	77	49-127	
Trichloroethene	ug/kg	50	48.0	96	74-121	
Trichlorofluoromethane	ug/kg	50	57.6	115	55-156	
Vinyl acetate	ug/kg	200	127	63	46-127	
Vinyl chloride	ug/kg	50	62.2	124	50-146	
Xylene (Total)	ug/kg	150	133	89	77-120	
4-Bromofluorobenzene (S)	%			96	61-131	
Dibromofluoromethane (S)	%			104	80-124	
Toluene-d8 (S)	%			98	58-145	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 474693

474694

Parameter	Units	5040522039		MS	MSD	MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
1,1,1,2-Tetrachloroethane	ug/kg	ND	42.9	40.6	44.5	41.9	104	103	20-133	6	20		
1,1,1-Trichloroethane	ug/kg	ND	42.9	40.6	46.4	43.7	108	107	27-142	6	20		
1,1,2,2-Tetrachloroethane	ug/kg	ND	42.9	40.6	44.8	43.5	104	107	20-159	3	20		
1,1,2-Trichloroethane	ug/kg	ND	42.9	40.6	47.8	44.9	111	110	20-155	6	20		
1,1-Dichloroethane	ug/kg	ND	42.9	40.6	44.2	41.7	103	103	31-141	6	20		
1,1-Dichloroethene	ug/kg	ND	42.9	40.6	51.4	48.5	120	119	23-132	6	20		
1,1-Dichloropropene	ug/kg	ND	42.9	40.6	44.9	42.2	105	104	20-146	6	20		
1,2,3-Trichlorobenzene	ug/kg	ND	42.9	40.6	28.5	20.3	67	50	20-140	34	20		
1,2,3-Trichloropropane	ug/kg	ND	85.8	81.4	77.6	68.4	90	84	20-153	13	20		
1,2,4-Trichlorobenzene	ug/kg	ND	42.9	40.6	29.6	21.0	69	52	20-120	34	20		
1,2,4-Trimethylbenzene	ug/kg	ND	42.9	40.6	40.3	38.4	91	91	20-156	5	20		
1,2-Dibromoethane (EDB)	ug/kg	ND	42.9	40.6	44.6	40.1	104	99	20-143	11	20		
1,2-Dichlorobenzene	ug/kg	ND	42.9	40.6	40.5	33.6	94	83	20-133	19	20		
1,2-Dichloropropane	ug/kg	ND	42.9	40.6	43.7	39.9	102	98	30-140	9	20		
1,3,5-Trimethylbenzene	ug/kg	ND	42.9	40.6	40.8	40.4	95	99	20-143	1	20		
1,3-Dichlorobenzene	ug/kg	ND	42.9	40.6	40.2	33.8	94	83	20-136	17	20		
1,3-Dichloropropane	ug/kg	ND	42.9	40.6	45.5	40.4	106	99	30-144	12	20		
1,4-Dichlorobenzene	ug/kg	ND	42.9	40.6	39.2	30.9	91	76	30-135	24	20		
2,2-Dichloropropane	ug/kg	ND	42.9	40.6	47.3	44.6	110	110	30-143	6	20		
2-Butanone (MEK)	ug/kg	ND	214	203	280	249	131	123	30-190	12	20		
2-Chlorotoluene	ug/kg	ND	42.9	40.6	43.9	41.2	102	101	30-170	6	20		
2-Hexanone	ug/kg	ND	214	203	244	217	114	107	30-170	11	20		
4-Chlorotoluene	ug/kg	ND	42.9	40.6	45.0	41.6	105	102	30-143	8	20		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	214	203	207	196	97	97	30-144	5	20		
Acetone	ug/kg	ND	214	203	474	423	221	208	30-180	11	20	MO	
Acrolein	ug/kg	ND	858	814	886	826	103	102	30-180	7	20		
Acrylonitrile	ug/kg	ND	858	814	726	678	85	83	30-141	7	20		

Date: 09/02/2010 11:51 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SBI060
Pace Project No.: 5040522

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 474693 474694											
Parameter	Units	5040522039		MS	MSD	MS	MSD	MS	MSD	% Rec	Max
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD
Benzene	ug/kg	ND	42.9	40.6	44.9	40.7	105	100	50-135	10	20
Bromobenzene	ug/kg	ND	42.9	40.6	36.4	30.4	85	75	30-125	18	20
Bromochloromethane	ug/kg	ND	42.9	40.6	45.0	41.0	105	101	30-159	9	20
Bromodichloromethane	ug/kg	ND	42.9	40.6	43.6	39.8	102	98	30-141	9	20
Bromoform	ug/kg	ND	42.9	40.6	41.7	38.5	97	95	30-135	8	20
Bromomethane	ug/kg	ND	42.9	40.6	63.6	97.7	148	240	30-137	42	20 MO
Carbon disulfide	ug/kg	ND	85.8	81.4	78.9	80.2	92	99	30-156	2	20
Carbon tetrachloride	ug/kg	ND	42.9	40.6	47.0	44.1	109	108	30-130	6	20
Chlorobenzene	ug/kg	ND	42.9	40.6	42.6	36.8	99	91	30-137	15	20
Chloroethane	ug/kg	ND	42.9	40.6	68.8	63.7	160	157	35-143	8	20 MO
Chloroform	ug/kg	ND	42.9	40.6	43.5	40.5	101	100	30-136	7	20
Chloromethane	ug/kg	ND	42.9	40.6	47.2	46.7	110	115	28-134	1	20
cis-1,2-Dichloroethene	ug/kg	ND	42.9	40.6	47.3	42.6	110	105	30-141	10	20
cis-1,3-Dichloropropene	ug/kg	ND	42.9	40.6	44.3	39.3	103	97	30-126	12	20
Dibromochloromethane	ug/kg	ND	42.9	40.6	42.8	39.5	100	97	30-129	8	20
Dibromomethane	ug/kg	ND	42.9	40.6	42.8	38.5	100	95	30-153	10	20
Dichlorodifluoromethane	ug/kg	ND	42.9	40.6	75.8	72.0	177	177	30-150	5	20 2d,MO
Ethyl methacrylate	ug/kg	ND	172	163	123	116	71	71	30-170	6	20
Ethylbenzene	ug/kg	ND	42.9	40.6	40.7	37.4	95	92	50-150	8	20
Hexachloro-1,3-butadiene	ug/kg	ND	42.9	40.6	24.4	24.4	57	60	30-138	.08	20
Iodomethane	ug/kg	ND	85.8	81.4	95.3	93.2	111	115	30-180	2	20
Isopropylbenzene (Cumene)	ug/kg	ND	42.9	40.6	38.0	37.1	89	91	50-150	2	20
Methyl-tert-butyl ether	ug/kg	ND	85.8	81.4	80.3	77.1	94	95	40-149	4	20
Methylene chloride	ug/kg	ND	42.9	40.6	41.7	37.9	97	93	30-163	10	20
n-Butylbenzene	ug/kg	ND	42.9	40.6	32.6	32.2	76	79	40-152	1	20
n-Hexane	ug/kg	ND	42.9	40.6	46.0	43.2	107	106	40-155	6	20
n-Propylbenzene	ug/kg	ND	42.9	40.6	41.5	40.6	97	100	40-170	2	20
Naphthalene	ug/kg	ND	42.9	40.6	33.7	24.0	74	54	50-128	34	20
p-Isopropyltoluene	ug/kg	ND	42.9	40.6	36.8	36.8	86	91	40-167	.02	20
sec-Butylbenzene	ug/kg	ND	42.9	40.6	38.1	38.9	89	96	40-168	2	20
Styrene	ug/kg	ND	42.9	40.6	38.0	32.2	89	79	30-141	17	20
tert-Butylbenzene	ug/kg	ND	42.9	40.6	32.7	33.1	76	81	40-144	1	20
Tetrachloroethene	ug/kg	ND	42.9	40.6	40.8	39.3	95	97	40-155	4	20
Toluene	ug/kg	ND	42.9	40.6	46.0	42.3	107	104	50-149	8	20
trans-1,2-Dichloroethene	ug/kg	ND	42.9	40.6	45.6	41.8	106	103	40-140	9	20
trans-1,3-Dichloropropene	ug/kg	ND	42.9	40.6	41.4	35.1	96	86	40-130	17	20
trans-1,4-Dichloro-2-butene	ug/kg	ND	172	163	129	105	75	64	30-150	21	20
Trichloroethene	ug/kg	ND	42.9	40.6	42.5	39.4	99	97	40-153	8	20
Trichlorofluoromethane	ug/kg	ND	42.9	40.6	52.8	49.0	123	121	43-140	8	20
Vinyl acetate	ug/kg	ND	172	163	ND	ND	12	20	30-120		20 MO
Vinyl chloride	ug/kg	ND	42.9	40.6	55.7	53.8	130	132	36-137	3	20
Xylene (Total)	ug/kg	ND	128	122	122	113	95	93	50-143	8	20
4-Bromofluorobenzene (S)	%						91	92	61-131		20
Dibromofluoromethane (S)	%						101	102	80-124		20
Toluene-d8 (S)	%						104	105	58-145		20

QUALITY CONTROL DATA

Project: SBI060
Pace Project No.: 5040522

QC Batch:	PMST/4970	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	5040522001, 5040522002, 5040522003, 5040522004, 5040522005, 5040522006, 5040522007, 5040522008, 5040522009, 5040522010, 5040522011, 5040522013, 5040522014		

SAMPLE DUPLICATE: 470690

Parameter	Units	5040516021 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.0	19.9	.6	5	

SAMPLE DUPLICATE: 470691

Parameter	Units	5040522001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.6	5.6	17	5	R2

QUALITY CONTROL DATA

Project: SBI060

Pace Project No.: 5040522

QC Batch: PMST/4971

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5040522015, 5040522016, 5040522017, 5040522018, 5040522019, 5040522020, 5040522021, 5040522022, 5040522023, 5040522024, 5040522025, 5040522026, 5040522027, 5040522028, 5040522029, 5040522030, 5040522031, 5040522033, 5040522034, 5040522035

SAMPLE DUPLICATE: 470693

Parameter	Units	5040522015 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.2	8.6	5	5	

SAMPLE DUPLICATE: 470694

Parameter	Units	5040522033 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.3	7.5	17	5	R2

QUALITY CONTROL DATA

Project: SBI060
Pace Project No.: 5040522

QC Batch: PMST/4973 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5040522012

SAMPLE DUPLICATE: 471229

Parameter	Units	5040569001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.8	8.9	1	5	

SAMPLE DUPLICATE: 471230

Parameter	Units	5040523012 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.7	11.2	5	5	

QUALIFIERS

Project: SBI060

Pace Project No.: 5040522

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

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

ANALYTE QUALIFIERS

- 1d Compound ND at an estimated RL of 34 ug/kg, based on the MDL. JLF 9/1/10.
- 2d Multiple compounds are outside acceptance limits due to sample matrix. Refer to LCS for system control and data acceptability. JLF 09/01/10.
- 3d The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. 08/25/10 EDD
- 4d The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. 08/26/10 EDD
- D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
- R1 RPD value was outside control limits.
- R2 RPD value was outside control limits due to matrix interference
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.

CHAIN OF CUSTODY RECORD

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 Suite 300
 Toledo, OH 43614
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 Fax: (419) 385-5487

REPORT TO: Doug Street
 Client: SBI
 Site: Former Studebaker
 Project #: SBI060 Phase:
 Samplers: SMS

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	COMMENTS
SBI060	HSB-0105	S005020	3	NA	8/19/10 0920	MS/MSD 001
SBI060	HSB-0105	S170187	1	NA	8/19/10 1020	2
SBI060	HSB-0103	S005020	1	NA	8/19/10 1010	3
SBI060	HSB-0103	S050070	1	NA	8/19/10 1025	4
SBI060	HSB-0103	S052070A	1	NA	8/19/10 1025	5
SBI060	HSB0104	S005020	1	NA	8/19/10 1035	6
SBI060	HSB-0104	S052070	1	NA	8/19/10 1045	7
SBI060	HSB-0101	S005020	1	NA	8/19/10 1055	8
SBI060	HSB-0101	S020040	1	NA	8/19/10 1105	9
SBI060	HSB-0102	S005020	1	NA	8/19/10 1120	10
SBI060	HSB-0102	S050070	1	NA	8/19/10 1125	11
SBI060	HSB-5A05	S005020	1	NA	8/19/10 1235	12

PRESERVATIVES: TPH-ERG

SAMPLE TYPES:
 A-AIR
 B-ASBESTOS
 C-SEDIMENT
 D-GROUNDWATER
 E-PRODUCT
 F-SOIL
 G-WATER
 H-OTHERS

PRESERVATIVES:
 A-Cool only, not deg. C
 B-HNO3 pH<2
 C-H2SO4 pH<2
 D-NaOH pH>12
 E-ZnAcetate + NaOH, pH<9
 F-NH4 S O (0.008%)
 G-HCL pH<2

METALS:
 F-FILTERED
 N-NOT FILTERED
 B-BOTH

All samples are kept at 4 degrees Celsius.

RELINQUISHED BY: [Signature] DATE: 8/19/10 TIME: 1517
 RELINQUISHED BY: [Signature] DATE: 8/26/10 TIME: 1517
 RECEIVED FOR LAB BY: [Signature]
 RECEIVED BY: [Signature]
 COOLER TEMPERATURE AS RECEIVED: 3.9°C, 1.9°C

Deliver To: Pace
 Method of Delivery: Hand
 Airbill Number: NA
 NOTES:
 TURN AROUND TIME: STD DAYS

DISTRIBUTION:
 WHITE - LAB USE (MUST BE RETURNED WITH REPORT)
 YELLOW - LAB USE
 PINK - RETAINED BY HULL

WI Client desk

Hull

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Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 365-2018
Fax: (419) 365-5487

CHAIN OF CUSTODY RECORD

PAGE 2 OF 5

NO. 0111107

REPORT TO: Doug Stewart

Client: SBI
Site: Former Studebaker
Project #: SBI060 Phase: _____
Samplers: SMS

- SAMPLE TYPES**
- A - AIR
 - G - SEDIMENT
 - P - PRODUCT
 - S - SOIL
 - W - WATER
 - Z - OTHERS
- PRESERVATIVES**
- A - Cool only, <4 deg. C
 - B - HNO₃ pH=2
 - C - H₂SO₄ pH=2
 - D - NaOH pH=12
 - E - Zinc acetate + NaOH, pH=9
 - F - Na₂S₂O₅ (0.100%)
 - G - HCL pH=2
- METALS**
- F - FILTERED
 - N - NOT FILTERED
 - B - BOTH

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	ANALYSES	COMMENTS
SBI060	HSB-SA05	S170181	1	N	8/19/10 1300		13
SBI060	HSB-SA01	S005020	1	N	8/19/10 1315		14
SBI060	HSB-SA01	S020040	1	N	8/19/10 1322		15
SBI060	HSB-SA02	S005020	1	N	8/19/10 1340		16
SBI060	HSB-SA02	S020040	1	N	8/19/10 1300		17
SBI060	HSB-SA03	S005020	1	N	8/19/10 1405		18
SBI060	HSB-SA03	S020039	1	N	8/19/10 1417		19
SBI060	HSB-SA04	S005020	1	N	8/19/10 1425		20
SBI060	HSB-SA04	S020040	1	N	8/19/10 1440		21
SBI060	HSB-72A05	S005D20	1	N	8/19/10 1505		22
SBI060	HSB-72A05	S050070	1	N	8/19/10 1520		23

RESOURCES

ANALYSES

PRESERVATIVES

TPH-E90

RELINQUISHED BY: [Signature] DATE: 8/20/10 TIME: 1517

RELINQUISHED BY: [Signature] DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: [Signature] DATE: 8/20/10 TIME: 1517

RECEIVED BY: _____ DATE: _____ TIME: _____

RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____

Deliver To: Peace

Method of Delivery: Hand

Airbill Number: LA

NOTES: _____

COOLER TEMPERATURE AS RECEIVED: 3.9, 1.9 °C

DISTRIBUTION: _____
WHITE - LAB USE (MUST BE RETURNED WITH REPORT)
YELLOW - LAB USE
PINK - RETAINED BY HULL

TURN AROUND TIME: SVD DAYS

WF Chest delv

Hull

& Associates, Inc.

Dublin, OH
6397 Emerald Parkway
Suite 200
Dublin, OH 43016
Phone: (614) 793-8777
Fax: (614) 793-9070

Indianapolis, IN
8630 E. 75th St.
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Indianapolis, IN 46250
Phone: (317) 558-0558
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4900 Parkway Dr.
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Mason, OH 45040
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Fax: (513) 459-9869

Solon, OH
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Fax: (440) 519-2560

Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Devy Stewart
Client: SBI
Site: Former stid ebaker
Project #: SBI060 Phase: _____
Samplers: SMS

CHAIN OF CUSTODY RECORD

PAGE 3 OF 6

NO. 011076

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	PRESERVATIVES		COMMENTS
						AIR	WATER	
SBI060	HSB-72A04	S005020	1	N	8/19/10 1535	X		024
SBI060	HSB-72A04	S020040	1	N	8/19/10 1550	X		25
SBI060	HSB-72A01	S005020	1	N	8/19/10 1600	X		26
SBI060	HSB-72A01	S050070	1	N	8/19/10 1610	X		27
SBI060	HSB-72A02	S005020	1	N	8/19/10 1625	X		28
SBI060	HSB-72A02	S020040	1	N	8/19/10 1635	X		29
SBI060	HSB-72A03	S005020	1	N	8/19/10 1645	X		30
SBI060	HSB-72A03	S050070	1	N	8/19/10 1655	X		31
SBI060	EB1	W081910	2	N	8/19/10 1700	X		32
SBI060	HSB-B106	S005020	3	N	8/19/10 0800	X		ms/msd 33

TRH-ERD

RESOURCES

RELINQUISHED BY: [Signature] DATE: 8/20/10 TIME: 1517
 RELINQUISHED BY: [Signature] DATE: 8/20/10 TIME: 1517
 RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____
 COOLER TEMPERATURE AS RECEIVED: 39, 1.9 °C

Deliver To: Face
 Method of Delivery: Hand
 Airbill Number: NA
 NOTES: _____
 TURN AROUND TIME: STD DAYS

WT Client delv

CHAIN OF CUSTODY RECORD

Dublin, OH
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Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Doug Stewart

Client: SBIOGO
Site: Former Stelebebor
Project #: SBF500 Phase: _____
Samplers: SMS

SAMPLE TYPES
A - AIR
B - ASBESTOS
C - SEDIMENT
D - GROUNDWATER
E - PRODUCT
F - SOIL
G - WATER
H - OTHERS

PRESERVATIVES
A - Cool only, 4 deg. C
B - HNO₃ pH=2
C - H₂SO₄ pH=2
D - NaOH pH=12
E - ZnAcetate + NaOH, pH=9
F - Na₂S O (0.008%)
G - HCl, pH=2

METALS
F - FILTERED
N - NOT FILTERED
B - BOTH

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	COMMENTS
SB1060	HSB-B106	S020040	1	N	8/20/10 0835	35
SB1060	HSB-B105	S005020	1	N	8/20/10 0835	36
SB1060	HSB-B105	S020040	1	N	8/20/10 0845	37
SB1060	HSB-B105	S005020A	1	N	8/20/10 0835	38
SB1060	HSB-B104	S005020	13	N	8/20/10 0909	39
SB1060	HSB-B104	S020040	1	N	8/20/10 0915	40
SB1060	HSB-B103	S005020	4	N	8/20/10 0930	41
SB1060	HSB-B103	S100112	4	N	8/20/10 0940	42
SB1060	HSB-B102	S005020	1	N	8/20/10 0953	43
SB1060	HSB-B102	S100114	5	N	8/20/10 1005	44
SB1060	HSB-B101	S005020	1	N	8/20/10 1015	45

RELINQUISHED BY: [Signature] DATE: 8/20/10 TIME: 1517

RELINQUISHED BY: [Signature] DATE: 8/20/10 TIME: 1517

RECEIVED BY: [Signature] DATE: 8/20/10 TIME: 1517

RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____

COOLER TEMPERATURE AS RECEIVED: 3.9, 1.9 °C

Deliver to: Face

Method of Delivery: Hand

Airbill Number: NA

NOTES: _____

TURN AROUND TIME: STD DAYS

WI Client delu

Hull & Associates, inc.

CHAIN OF CUSTODY RECORD

PAGE 5 OF 5

NO. 011077

Dublin, OH
6397 Emerald Parkway
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Suite D
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Phone: (440) 519-2555
Fax: (440) 519-2560

Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Doug Stewart

Client: SBI
Site: Former Studebaker
Project #: SBI060 Phase: _____
Samplers: SMS

- SAMPLE TYPES**
- A - AIR
 - B - ASBESTOS
 - C - SEDIMENT
 - D - FRODOIN/WATER
 - E - SOIL
 - F - WATER
 - Z - OTHERS
- PRESERVATIVES**
- A - Cool only, <4 deg. C
 - B - HNO₃ pH<2
 - C - H₂SO₄ pH<2
 - D - NaOH pH>12
 - E - ZnAcetate + NaOH, pH<9
 - F - Na₂S O (0.008%)
 - G - HCl, pH<2
- METALS**
- F - FILTERED
 - N - NOT FILTERED
 - B - BOTH

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	COMMENTS
SBI060	HSB-B101	S070020	1	N	8/20/10 1036	46
SBI060	EB1	W082010	5	N	8/20/10 1100	47
SBI060	TRIP BLANK		2	N		48
SBI060	HSB-B107	S005020	1	N	8/20/10 1110	49
SBI060	HSB-B107	S100120	1	N	8/20/10 1120	50
SBI060	HSB-B108	S005020	1	N	8/20/10 1125	51
SBI060	HSB-B108	S100120	1	N	8/20/10 1130	52
:	:	:	:	:	:	
:	:	:	:	:	:	
:	:	:	:	:	:	
:	:	:	:	:	:	
:	:	:	:	:	:	

RELINQUISHED BY: [Signature] DATE: 8/22/10 TIME: 1517

RELINQUISHED BY: [Signature] DATE: 8/22/10 TIME: 1517

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: [Signature] DATE: 8/22/10 TIME: 1517

RECEIVED BY: _____ DATE: _____ TIME: _____

RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____

COOLER TEMPERATURE AS RECEIVED: 3.9 °C

DISTRIBUTION: _____
WHITE - LAB USE (MUST BE RETURNED WITH REPORT)
YELLOW - LAB USE
PINK - RETAINED BY HULL

Deliver To: Pace

Method of Delivery: Hand

Airbill Number: LA

NOTES: _____

TURN AROUND TIME: STD DAYS

WF Client delv

Sample Container Count



CLIENT: Shell

DOC PAGE 1 of 5
 DOC ID# 011109

Project # _____

Sample Line Item	DG9H	AG1U	WGFU	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1			3											
2			1											
3			1											
4			21											
5			1											
6			1											
7			1											
8			1											
9			1											
10			1											
11			1											
12			1											

Container Codes	DG9H	40mL HCL	amber vov	vial	AF	Air Filter	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2O	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC																																																											
	DG9H	40mL HCL	amber	vov	AF	Air Filter	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2O	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC																																																											
	AG1U	1liter unpreserved	amber	glass	AG1H	1 liter HCL	amber	glass	BP1S	1 liter H2SO4	plastic	BP1S	1 liter H2SO4	plastic	BP1U	1 liter unpreserved	plastic	BP1U	1 liter unpreserved	plastic	BP1Z	1 liter NaOH, Zn, Ac	BP2A	500mL NaOH, Asc Acid	plastic	BP2O	500mL NaOH	plastic	BP2Z	500mL NaOH, Zn Ac	BP3A	250mL NaOH, Asc Acid	plastic	BP3C	250mL NaOH	plastic	BP3Z	250mL NaOH, Zn Ac	plastic	C	Air Cassettes	DG9B	40mL Na Bisulfate	amber	vial	DG9M	40mL MeOH	clear	vial	DG9P	40mL TSP	amber	vial	DG9S	40mL H2SO4	amber	vial	DG9T	40mL Na Thio	amber	vial	DG9U	40mL unpreserved	amber	vial	Wipe/Swab	4oz unpreserved	amber	wide	Summa Can	40mL HCL	clear	vial	40mL Na Thio	clear	vial	40mL unpreserved	clear	vial	Headspace	septa	vial	& HCL	4oz wide	jar	w/hexane	wipe	Ziploc	Bag

Sample Condition Upon Receipt



Face Analytical

Client Name: Gull

Project # 5040522

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

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

Packing Material: Bubble Wrap Bubble Bags None Other plastic & foam

Thermometer Used 12346A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 3.9°C, 1.9°C Ice Visible in Sample Containers: yes no
Temp should be above freezing to 6°C

Date and Initials of person examining contents: SD 8/20/10

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5. <u>Surva Cons, 8/20/10</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>2 jars of 5050070 NO 5050070A</u> <u>SD</u>
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9. <u>8/20/10</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

Sample Container Count



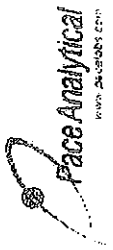
CLIENT: Yfuel
 SOC PAGE 2 of 5
 SOC ID# 011107

Project # _____

Sample Line Item	DG9H	AG1U	WGFU	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

Container Codes	DG9H	40mL HCL	amber vial	AF	Air Filter	BP1N	1 liter HNO3	plastic	DG9P	40mL TSP	amber vial
DG9H	40mL HCL	amber vial	AF	Air Filter	BP1N	1 liter HNO3	plastic	DG9P	40mL TSP	amber vial	
AG1U	1 liter unpreserved	amber glass	AG1H	1 liter HCL	amber glass	BP1S	1 liter H2SO4	plastic	DG9S	40mL H2SO4	amber vial
WGFU	4oz clear soil jar		AG1S	1 liter H2SO4	amber glass	BP1U	1 liter unpreserved	plastic	DG9T	40mL Na Thio	amber vial
R	terra core kit		AG1T	1 liter Na Thiosulfate	amber gl	BP1Z	1 liter NaOH, Zn, Ac		DG9U	40mL unpreserved	amber vial
BP2N	500mL HNO3	plastic	AG2N	500mL HNO3	amber glass	BP2A	500mL NaOH, Asc Acid	plastic		1 Wipe/Swab	
BP2U	500mL unpreserved	plastic	AG2S	500mL H2SO4	amber glass	BP2O	500mL NaOH	plastic	JGFU	4oz unpreserved	amber wide
BP2S	500mL H2SO4	plastic	AG2U	500mL unpreserved	amber gla	BP2Z	500mL NaOH, Zn Ac		U	Summa Can	
BP3N	250mL HNO3	plastic	AG3U	250mL unpreserved	amber gla	BP3A	250mL NaOH, Asc Acid	plastic	VG9H	40mL HCL	clear vial
BP3U	250mL unpreserved	plastic	BG1H	1 liter HCL	clear glass	BP3C	250mL NaOH	plastic	VG9T	40mL Na Thio.	clear vial
BP3S	250mL H2SO4	plastic	BG1S	1 liter H2SO4	clear glass	BP3Z	250mL NaOH, Zn Ac	plastic	VG9U	40mL unpreserved	clear vial
AG3S	250mL H2SO4	glass amber	BG1T	1 liter Na Thiosulfate	clear gla	C	Air Cassettes		VSG	Headspace septa	vial & HCL
AG1S	1 liter H2SO4	amber glass	BG1U	1 liter unpreserved	glass	DG9B	40mL Na Bisulfate	amber vial	WGFY	4oz wide jar	w/hexane wipe
BP1U	1 liter unpreserved	plastic	BP1A	1 liter NaOH, Asc Acid	plastic	DG9M	40mL MeOH	clear vial	ZPLC	Ziploc Bag	

Sample Container Count



CLIENT: Fuld

30C PAGE 4 of 5
 30C ID# 011092

Project # _____

Sample Line Item DG9H AG1U WGFU R 4/6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H Comments

1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

WGFU

12
4
4
4
4

Container Codes

DG9H	40mL HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic		Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFY	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count



CLIENT: G. Hall
 SOC PAGE 5 of 5
 SOC ID# 011077

Project # _____

Sample Line Item	DG9H	AG1U	WGFU	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1			1											
2		3	2											
3		2												
4			1											
5			1											
6			1											
7			1											
8			1											
9														
10														
11														
12														

Container Codes																
DG9H	40mL HCL	amber vial		AF	Air Filter					BP1N	1 liter HNO3	plastic	DG9P	40mL TSP	amber vial	
AG1U	1 liter	unpreserved	amber glass	AG1H	1 liter	HCL	amber glass			BP1S	1 liter	H2SO4	DG9S	40mL	H2SO4	amber vial
WGFU	4oz	clear	soil jar	AG1S	1 liter	H2SO4	amber glass			BP1U	1 liter	unpreserved	DG9T	40mL	Na Thio	amber vial
R	terra	core kit		AG1T	1 liter	Na Thiosulfate	amber gl			BP1Z	1 liter	NaOH, Zn, Ac	DG9U	40mL	unpreserved	amber vial
BP2N	500mL	HNO3	plastic	AG2N	500mL	HNO3	amber glass			BP2A	500mL	NaOH, Asc Acid		1	Wipe/Swab	
BP2U	500mL	unpreserved	plastic	AG2S	500mL	H2SO4	amber glass			BP2O	500mL	NaOH	JGFU	4oz	unpreserved	amber wide
BP2S	500mL	H2SO4	plastic	AG2U	500mL	unpreserved	amber gla			BP2Z	500mL	NaOH, Zn Ac		U	Summa Can	
BP3N	250mL	HNO3	plastic	AG3U	250mL	unpreserved	amber gla			BP3A	250mL	NaOH, Asc Acid	VG9H	40mL	HCL	clear vial
BP3U	250mL	unpreserved	plastic	BG1H	1 liter	HCL	clear glass			BP3C	250mL	NaOH	VG9T	40mL	Na Thio.	clear vial
BP3S	250mL	H2SO4	plastic	BG1S	1 liter	H2SO4	clear glass			BP3Z	250mL	NaOH, Zn Ac	VG9U	40mL	unpreserved	clear vial
AG3S	250mL	H2SO4	glass	BG1T	1 liter	Na Thiosulfate	clear gla			C	Air Cassettes		VSG	Headspace	septa vial	& HCL
AG1S	1 liter	H2SO4	amber glass	BG1U	1 liter	unpreserved	glass			DG9B	40mL	Na Bisulfate	WGFX	4oz	wide jar	w/hexane wipe
BP1U	1 liter	unpreserved	plastic	BP1A	1 liter	NaOH, Asc Acid	plastic			DG9M	40mL	MeOH	ZPLC	Ziploc	Bag	