Hull & associates, inc.

March 6, 2012

Ms. Ann Kolata
Senior Redevelopment Specialist
City of South Bend Department of
Community and Economic Development
227 W. Jefferson Blvd. – Suite 1200 S
South Bend, IN 46601

RE: Letter Report Documenting Additional Phase II Groundwater Sampling Event at the Oliver Industrial Park Property Located Near Chapin Street and Oliver Plow Court, South Bend, Indiana (the Site); SBI066.400.0016.DOC.

Dear Ms. Kolata,

Hull & Associates, Inc. (Hull) is pleased to submit this report documenting additional Phase II Environmental Site Assessment (ESA) activities conducted off-Site (i.e., downgradient and generally north-northeast) of the referenced Site. The additional Phase II ESA, comprised of temporary sampling point installation, monitoring well installation, and groundwater sampling activities, was conducted pursuant to a proposal submitted to the City of South Bend on October 17, 2011. The data reported herein have also been previously reported as part of a Remediation Work Plan (RWP) submitted to the State of Indiana on December 31, 2011.

Based on the proposal and the status of the Site with respect to Indiana's Voluntary Remediation Program (VRP) at the time the proposal was prepared, the objective of this investigation was to:

1. Define the vertical extent of volatile organic compounds (VOCs) and the metals arsenic and lead downgradient of the Site;

Site Physical Setting and Background

The Site is located approximately one mile southwest of downtown South Bend. The Site consists of several vacant lots and commercial/light industrial businesses, and is bordered by commercial/industrial properties to the southwest, south and east of the Site, and an active rail line along the northern boundary of the Site. Residential properties are located across the western and northern boundaries of the Site. The locations of the Site and surrounding properties are shown on Figure 1.

Scope of Work

The field work was performed consistent with the Indiana Department of Environmental Management's (IDEM's) Risk Integrated System of Closure (RISC) Guidance and the IDEM VRP. The completed scope of work for the project differed slightly from the proposed scope of work because of lack of access to the City's rights-of-way (ROW) in certain locations, but generally included the following:

1. Installation of four pairs of shallow and deep temporary groundwater sampling points within the ROW in the commercial and residential areas north of the Site;

2. Collection of groundwater samples from the temporary groundwater sampling points for the analysis of VOCs by U.S. EPA Method 8260;

3. Following receipt of the results of laboratory analyses of the groundwater samples collected from the temporary sampling points, installation of nested pairs of monitoring wells located within the commercial and residential areas; and

4. Collection of groundwater samples from the permanent nested monitoring wells and submittal for laboratory analyses of VOCs in accordance with U.S. EPA Method 8260, and for total and dissolved lead and arsenic in accordance with U.S. EPA Method 6010.

Installation of Monitoring Points and Collection of Groundwater Samples

From November 2, 2011 through November 3, 2011 Hull collected groundwater samples from temporary groundwater points TB-1S/D through TB-4S/D. The fifth temporary sampling point located at Thomas Street and Scott Street was abandoned due to a high density of subsurface fiberoptic utilities in the intersection.

At each location where groundwater sampling was conducted, the borehole was initially advanced using direct-push technologies to a deeper depth (i.e., between approximately 36 and 40 feet below ground surface (bgs)), at which point the outer casing of the sampling system was withdrawn to expose a four foot long stainless steel wire wrapped screen. Following development and sample collection at each deeper sampling point (as described below), the groundwater sample in the upper portion of the aquifer (i.e., between approximately 26 and 30 feet bgs) was collected by withdrawing the screen to the appropriate depth and developing and collecting a sample as described below. Once the screen was exposed at the appropriate depth interval, Hull's field representative lowered a decontaminated *Waterra* foot-valve sampling pump to purge the equivalent of five well volumes of water to develop the aquifer surrounding the screen. After development, the temporary well was allowed to rest for approximately 15 minutes prior to sample collection. Temporary well development waters were collected, stored in DOT-approved 55-gallon drums at the southwest corner of the Oliver Industrial Park, and properly disposed by American Industrial Services, Inc. at the completion of field sampling activities.

Following installation of each temporary sampling point and subsequent temporary well development, groundwater samples were then collected from each location through the *Waterra* foot-valve sampling pump into laboratory-preserved sample containers and placed on ice in a cooler. All samples were submitted to Pace Analytical Laboratories, Inc. (Pace) in Indianapolis, Indiana for analyses of VOCs in accordance with U.S. EPA Method 8260. The laboratory was requested to report analytical results within three days to allow for timely data evaluation with the intent that additional downgradient temporary sampling points would be installed (should lab data suggest that the VOC plume was not yet defined), or that permanent monitoring wells could be installed, immediately following receipt of analytical data from the lab.

Since the lab data received suggested that the downgradient extent of the plume had been defined, permanent monitoring wells were installed within City ROW as proposed, as follows.

Soil borings associated with the proposed monitoring wells were drilled with a truck-mounted drill rig using 4.25-in., inside-diameter hollow-stem augers and continuously sampled using 24-in. split-spoon samplers to the appropriate depth (i.e., approximately either 30 feet bgs or 45 feet bgs). Nested deep and shallow wells were installed at each location, with the exception of MW-24, where a confining clay layer that precluded the installation of a deeper well was encountered. Monitoring wells MW-20S (shallow)/20D (deep) through MW-23S/D, MW-24, MW-25S/D, and MW-26S/D were constructed of two-inch inside diameter Schedule 40 PVC slotted screens and risers. Once the targeted depth was reached, the well column was slowly lowered to the base of the borehole. A clean silica quartz sand filter pack was placed around the screen and extended no more than two feet above the top of the screen. Sodium bentonite pellets were then placed on top of the sand pack to a depth of approximately 2 feet bgs. The remaining two feet were filled with concrete to anchor a flush-mount manhole cover. The locations of the newly-installed monitoring wells are shown on Figure 2. Soil boring logs and monitoring well construction diagrams are included in Appendix A.

Monitoring wells were developed following installation to remove fines that may have entered the well screen or filter pack during installation. Well development activities were continued until pH, temperature, and conductivity stabilized for three consecutive well volumes, or until five well volumes were removed, whichever was greater. Development waters were containerized and disposed as described above. Following well development activities, the top of casing (TOC) and ground elevations relative to established benchmarks, and the monitoring well location coordinates relative to Indiana State Plane GIS coordinates, were surveyed at each newly-installed monitoring well by Wightman-Petrie, Inc. Surveyed elevations and coordinates for each location are included in Table 1.

Prior to sampling at each monitoring well, Hull field personnel used a water level indicator to gauge depth to water and depth to bottom. Measurements were taken relative to the surveyed TOC elevation at each well and recorded to the nearest 0.01 foot. A non-phosphate detergent and rinse water solution was used to decontaminate the water level indicator after gauging each well.

Groundwater samples were collected from the 13 newly-installed off-Site monitoring wells in accordance with IDEM low-flow sampling procedures. From November 17, 2011 through November 18, 2011 Hull collected groundwater samples from monitoring wells MW-20S/D through MW-23S/D, MW-24, MW-25S/D and MW-26S/D. Equipment used for low-flow sampling included a pneumatic groundwater pump, dedicated polyethylene tubing, a *Horiba® U50* water monitoring probe, and a flow cell. For all wells, the pneumatic pump (with a dedicated disposable bladder for each well) was used to pump groundwater through a flow cell containing the *Horiba® U50* water monitoring probe, which measured pH, specific conductivity, turbidity, dissolved oxygen (DO), temperature, and oxidation-reduction potential (ORP). The groundwater parameters were monitored continuously and recorded at approximate three minute intervals by Hull's field representative. Upon stabilization of the measured parameters, groundwater samples were collected into appropriately preserved laboratory-supplied containers and placed in an iced cooler for storage. Copies of the low-flow sampling field forms are included in Appendix B.

Groundwater samples were collected from MW-20S/D through MW-23S/D, MW-24, and MW-25S/D through MW-26S/D and were submitted to Pace for analysis of VOCs in accordance with U.S. EPA Method 8260; and for analyses of lead and arsenic concentrations (because of historical detections of these metals in off-Site groundwater) in accordance with U.S. EPA Method 846 6010. Duplicate samples were collected from MW-22D and MW-21D; matrix spike/matrix spike duplicates (MS/MSD) samples were collected from MW-23D and MW-21S; and field blanks were submitted as part of quality assurance/quality control (QA/QC) of field procedures. Purge and decontamination waters were containerized and disposed as described above.

Findings and Discussion

Groundwater elevation data and other monitoring well gauging information are summarized in Table 1. Consistent with previous ESAs associated with Oliver Industrial Park and downgradient thereof, groundwater off-Site of the Oliver Industrial Park flows toward the north-northeast. The potentiometric surface and estimated flow direction of the off-Site groundwater measured on November 18, 2011 are shown on Figure 3.

From November 2, through November 18, 2011, 21 groundwater samples (plus QA/QC samples) were collected by Hull and subsequently analyzed by Pace. The laboratory analytical reports are included in Appendix C, along with QA/QC results and chain of custody documentation. Table 2 summarizes the results of laboratory analyses on samples collected from the newly-installed monitoring wells. Those analytes that exceed 1996 VRP Tier II Residential and Nonresidential Cleanup Goals are indicated in Table 2 and shown on Figure 4.

Unfiltered groundwater samples collected from MW-20D, MW-21S, MW-26S, and MW-26D exhibited concentrations of total lead exceeding the 1996 VRP Tier II Nonresidential Cleanup Goal. The unfiltered sample collected from MW-21S exhibited a concentration of total arsenic exceeding the 1996 VRP Tier II Nonresidential Cleanup Goal. The detection of total lead and total arsenic concentrations in these samples is not expected to require remediation, as the extraction of groundwater within City limits is not permitted by City ordinance. Furthermore, filtered samples (which would represent groundwater

most likely to be consumed, if groundwater extraction were permitted by City ordinance) collected from these monitoring wells did not exhibit detectable concentrations of dissolved lead or dissolved arsenic.

The sample collected from MW-21D exhibited a concentration of tetrachloroethene exceeding the 1996 VRP Tier II Residential Cleanup Goal. The samples collected from MW-25D and MW-25S exhibited concentrations of trichloroethene exceeding the 1996 VRP Tier II Residential Cleanup Goal. All other samples collected from the Site were either detected below the 1996 VRP Tier II Nonresidential Cleanup Goal or were below laboratory detection limits. The detection of these chlorinated solvents has been addressed in the aforementioned RWP submitted to IDEM on December 31, 2011.

We trust this information meets your needs at this time. Should you have any questions about this investigation, please do not hesitate to contact Doug Stuart at (800) 241-7173.

Respectfully,

Lucas A. Wright
Hydrogeologist 1

Douglas G. Stuart, CHMM
Senior Project Manager

Attachments: Appendices
Tables
Figures

TABLES

OFF-SITE PHASE II ENVIRONMENTAL SITE ASSESSMENT
OLIVER INDUSTRIAL PARK
CITY OF SOUTH BEND, INDIANA

TABLE 1

OFF-SITE GROUNDWATER ELEVATION DATA - NOVEMBER 17, 2011

Well ID	Date Sampled	Northing	Easting	Top of Casing Elevation (ft, USGS)	Depth to Water (ft.)	Depth to Bottom (ft.)	Water Elevation (ft, NAVD 1988)
MW-20S	11/18/2011	2340564.672	164386.186	717.75	16.66	21.94	701.09
MW-20D	11/18/2011	2340560.031	164386.123	717.33	16.22	36.20	701.11
MW-21S	11/18/2011	2340168.566	165644.648	719.11	18.70	22.64	700.41
MW-21D	11/18/2011	2340164.782	165644.654	718.74	18.34	37.30	700.40
MW-22D	11/17/2011	2342502.662	166879.343	707.28	16.22	37.75	691.06
MW-22S	11/17/2011	2342502.251	166876.022	707.33	16.25	22.61	691.08
MW-23S	11/17/2011	2342499.447	165739.540	706.37	13.53	19.95	692.84
MW-23D	11/17/2011	2342499.268	165735.294	706.38	13.52	34.71	692.86
MW-24	11/17/2011	2341100.007	166201.911	718.54	21.82	26.00	696.72
MW-25S	11/18/2011	2340815.560	165633.674	718.36	18.93	23.70	699.43
MW-25D	11/18/2011	2340811.531	165633.971	718.38	18.95	38.70	699.43
MW-26S	11/17/2011	2341274.816	165001.796	718.77	19.41	23.88	699.36
MW-26D	11/17/2011	2341275.196	164996.148	718.58	19.22	38.70	699.36

OFF-SITE PHASE II ENVIRONMENTAL SITE ASSESSMENT
OLIVER INDUSTRIAL PARK
CITY OF SOUTH BEND, INDIANA

TABLE 2

SUMMARY OF OFF-SITE GROUNDWATER LABORATORY ANALYSES, NOVEMBER 2011 (ug/L)

Sample Location	96 IN VRP Residential GW Cleanup Goal (ug/L)	96 IN VRP Nonresidential GW Cleanup Goal (ug/L)	TB-1D	TB-1S	TB-2D	TB-2S	TB-2S	TB3D	TB3S	TB3S	TB4D
Sample Identification			SBI066:TB-1D:G110211	SBI066:TB-1S:G110211	SBI066:TB-2D:G110211	SBI066:TB-2S:G110211	SBI066:TB-2S:G110211A[a]	SBI066:TB3D:G110311	SBI066:TB3S:G110311	SBI066:TB3S:G110311A	SBI066:TB4D:G110311
Sample Date			11/2/2011	11/2/2011	11/2/2011	11/2/2011	11/2/2011	11/3/2011	11/3/2011	11/3/2011	11/3/2011
Metals (Method 6010)											
Arsenic, Dissolved	50	50	NT[b]	NT	NT	NT	NT	NT	NT	NT	NT
Arsenic, Total	50	50	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead, Dissolved	15[c]	15[c]	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead, Total	15[c]	15[c]	NT	NT	NT	NT	NT	NT	NT	NT	NT
VOCs (Method 8260)											
1,1,1,2-Tetrachloroethane	5	110	<5[d]	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane	200	9198	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	14.3	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichlorethane	5	50.2	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	640	10220	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	7	7	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloropropene	--[e]	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	70	1022	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethyl-benzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromoethane	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene	600	9198	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	5	31.4	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene	600	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropane	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene	75	119.2	<5	<5	<5	<5	<5	<5	<5	<5	<5
2,2-Dichloropropane	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	917.72	5110	<25	<25	<25	<25	<25	<25	<25	<25	<25
2-Chlorotoluene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Isopropyltoluene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	1520	5110	<25	<25	<25	<25	<25	<25	<25	<25	<25
Acetone	3040	10220	<100	<100	<100	<100	<100	<100	<100	<100	<100
Acrolein	--	--	<100	<100	<100	<100	<100	<100	<100	<100	<100
Acrylonitrile	--	--	<100	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	5	98.6	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromobenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Butylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	--	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon Tetrachloride	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane	23160.75	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	100	468.9	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	70	1022	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane (chlorodibromomethane)	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane (Freon-12)	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethyl Methacrylate	--	--	<100	<100	<100	<100	<100	<100	<100	<100	<100
Ethylbenzene	700	10220	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hexachloro-1,3-butadiene	10	36.7	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hexane	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Isopropylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5

OFF-SITE PHASE II ENVIRONMENTAL SITE ASSESSMENT
OLIVER INDUSTRIAL PARK
CITY OF SOUTH BEND, INDIANA

TABLE 2

SUMMARY OF OFF-SITE GROUNDWATER LABORATORY ANALYSES, NOVEMBER 2011 (ug/L)

Sample Location	96 IN VRP Residential GW Cleanup Goal (ug/L)	96 IN VRP Nonresidential GW Cleanup Goal (ug/L)	TB-1D	TB-1S	TB-2D	TB-2S	TB-2S	TB3D	TB3S	TB3S	TB4D
Sample Identification			SBI066:TB-1D:G110211	SBI066:TB-1S:G110211	SBI066:TB-2D:G110211	SBI066:TB-2S:G110211	SBI066:TB-2S:G110211A[a]	SBI066:TB3D:G110311	SBI066:TB3S:G110311	SBI066:TB3S:G110311A	SBI066:TB4D:G110311
Sample Date			11/2/2011	11/2/2011	11/2/2011	11/2/2011	11/2/2011	11/3/2011	11/3/2011	11/3/2011	11/3/2011
Methyl Bromide	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Iodide	--	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Bromide	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl-tert-butyl-ether	--	--	<4	<4	<4	<4	<4	<4	<4	<4	<4
Naphthalene	1216	4088	<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Propylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
sec-Butylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
tert-Butylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	5	56.1	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	1000	20440	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-butene	--	--	<100	<100	<100	<100	<100	<100	<100	<100	<100
Trichloroethene	5	260	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichlorofluoromethane (Freon-11)	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	--	--	<50	<50	<50	<50	<50	<50	<50	<50	<50
Vinyl Chloride	2	10	<2	<2	<2	<2	<2	<2	<2	<2	<2
Xylene	10000	204400	<10	<10	<10	<10	<10	<10	<10	<10	<10

Notes:

a. The letter "A" as part of the sample ID indicates a duplicate sample.
b. NT - not tested for this parameter.
c. In the absence of a VRP Tier II Cleanup Goal for lead, this cleanup goal is derived from the IDEM 1/26/96 Nonrule Policy Lead Guidance Cleanup Level and the U.S. EPA MCL.
d. < - indicates less than detection limit or practical quantitation limit, as appropriate.
e. '--' An Indiana VRP criterion has not been established for this analyte.
f. BOLD and shaded cells represent an exceedence of the Indiana VRP Tier II Cleanup Goal.

OFF-SITE PHASE II ENVIRONMENTAL SITE ASSESSMENT
OLIVER INDUSTRIAL PARK
CITY OF SOUTH BEND, INDIANA

TABLE 2

SUMMARY OF OFF-SITE GROUNDWATER LABORATORY ANALYSES, NOVEMBER 2011 (ug/L)

Sample Location	96 IN VRP Residential GW Cleanup Goal (ug/L)	96 IN VRP Nonresidential GW Cleanup Goal (ug/L)	TB4S	MW20D	MW20S	MW21D	MW21D	MW21S	MW22D	MW22D
Sample Identification			SBI066:TB4S:G110311	SBI066:MW20D:G111811	SBI066:MW20S:G111811	SBI066:MW21D:G111811	SBI066:MW21D:G111811A	SBI066:MW21S:G111811	SBI066:MW22D:G111711	SBI066:MW22D:G111711A
Sample Date			11/3/2011	11/18/2011	11/18/2011	11/18/2011	11/18/2011	11/18/2011	11/17/2011	11/17/2011
Metals (Method 6010)										
Arsenic, Dissolved	50	50	NT	<10	<10	<10	<10	<10	<10	<10
Arsenic, Total	50	50	NT	<10	<10	<10	<10	**110**[f]	<10	<10
Lead, Dissolved	15[c]	15[c]	NT	<5	<5	<5	<5	<5	<5	<5
Lead, Total	15[c]	15[c]	NT	**15**	<10	<10	<10	**270**	<10	<10
VOCs (Method 8260)										
1,1,1,2-Tetrachloroethane	5	110	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane	200	9198	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	14.3	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichlorethane	5	50.2	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	640	10220	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	7	7	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloropropene	--[e]	--	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	70	1022	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethyl-benzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromoethane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene	600	9198	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	5	31.4	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene	600	--	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene	75	119.2	<5	<5	<5	<5	<5	<5	<5	<5
2,2-Dichloropropane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	917.72	5110	<25	<25	<25	<25	<25	<25	<25	<25
2-Chlorotoluene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	--	--	<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
4-Isopropyltoluene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	1520	5110	<25	<25	<25	<25	<25	<25	<25	<25
Acetone	3040	10220	<100	<100	<100	<100	<100	<100	<100	<100
Acrolein	--	--	<100	<100	<100	<100	<100	<100	<100	<100
Acrylonitrile	--	--	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	5	98.6	<5	<5	<5	<5	<5	<5	<5	<5
Bromobenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Butylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	--	--	<10	<10	<10	<10	<10	<10	<10	<10
Carbon Tetrachloride	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane	23160.75	--	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	100	468.9	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	70	1022	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane (chlorodibromomethane)	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane (Freon-12)	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Ethyl Methacrylate	--	--	<100	<100	<100	<100	<100	<100	<100	<100
Ethylbenzene	700	10220	<5	<5	<5	<5	<5	<5	<5	<5
Hexachloro-1,3-butadiene	10	36.7	<5	<5	<5	<5	<5	<5	<5	<5
Hexane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Isopropylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5

OFF-SITE PHASE II ENVIRONMENTAL SITE ASSESSMENT
OLIVER INDUSTRIAL PARK
CITY OF SOUTH BEND, INDIANA

TABLE 2

SUMMARY OF OFF-SITE GROUNDWATER LABORATORY ANALYSES, NOVEMBER 2011 (ug/L)

Sample Location	96 IN VRP Residential GW Cleanup Goal (ug/L)	96 IN VRP Nonresidential GW Cleanup Goal (ug/L)	TB4S	MW20D	MW20S	MW21D	MW21D	MW21S	MW22D	MW22D
Sample Identification			SBI066:TB4S:G110311	SBI066:MW20D:G111811	SBI066:MW20S:G111811	SBI066:MW21D:G111811	SBI066:MW21D:G111811A	SBI066:MW21S:G111811	SBI066:MW22D:G111711	SBI066:MW22D:G111711A
Sample Date			11/3/2011	11/18/2011	11/18/2011	11/18/2011	11/18/2011	11/18/2011	11/17/2011	11/17/2011
Methyl Bromide	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Iodide	--	--	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Bromide	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Methyl-tert-butyl-ether	--	--	<4	<4	<4	<4	<4	<4	<4	<4
Naphthalene	1216	4088	<5	<5	<5	<5	<5	<5	<5	<5
n-Propylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
sec-Butylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
tert-Butylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	5	56.1	<5	<5	<5	**6.9**	**7.8**	5	<5	<5
Toluene	1000	20440	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-butene	--	--	<100	<100	<100	<100	<100	<100	<100	<100
Trichloroethene	5	260	<5	<5	<5	<5	<5	<5	<5	<5
Trichlorofluoromethane (Freon-11)	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	--	--	<50	<50	<50	<50	<50	<50	<50	<50
Vinyl Chloride	2	10	<2	<2	<2	<2	<2	<2	<2	<2
Xylene	10000	204400	<10	<10	<10	<10	<10	<10	<10	<10

Notes:

a. The letter "A" as part of the sample ID indicates a duplicate sample.
b. NT - not tested for this parameter.
c. In the absence of a VRP Tier II Cleanup Goal for lead, this cleanup goal is derived from the IDEM 1/26/96 Nonrule Policy Lead Guidance Cleanup Level and the U.S. EPA MCL.
d. < - indicates less than detection limit or practical quantitation limit, as appropriate.
e. '--' An Indiana VRP criterion has not been established for this analyte.
f. BOLD and shaded cells represent an exceedence of the Indiana VRP Tier II Cleanup Goal.

OFF-SITE PHASE II ENVIRONMENTAL SITE ASSESSMENT
OLIVER INDUSTRIAL PARK
CITY OF SOUTH BEND, INDIANA

TABLE 2

SUMMARY OF OFF-SITE GROUNDWATER LABORATORY ANALYSES, NOVEMBER 2011 (ug/L)

Sample Location	96 IN VRP Residential GW Cleanup Goal (ug/L)	96 IN VRP Nonresidential GW Cleanup Goal (ug/L)	MW22S	MW23D	MW23S	MW24	MW25D	MW25S	MW26D	MW26S
Sample Identification			SBI066:MW22S:G111711	SBI066:MW23D:G111711	SBI066:MW23S:G111711	SBI066:MW24:G111711	SBI066:MW25D:G111811	SBI066:MW25S:G111811	SBI066:MW26D:G111711	SBI066:MW26S:G111711
Sample Date			11/17/2011	11/17/2011	11/17/2011	11/17/2011	11/18/2011	11/18/2011	11/17/2011	11/17/2011
Metals (Method 6010)										
Arsenic, Dissolved	50	50	<10	<10	<10	<10	<10	<10	<10	<10
Arsenic, Total	50	50	<10	<10	<10	<10	<10	<10	<10	<10
Lead, Dissolved	15[c]	15[c]	<5	<5	<5	<5	<5	<5	<5	<5
Lead, Total	15[c]	15[c]	<10	<10	<10	<10	<10	<10	<10	**16**
VOCs (Method 8260)										
1,1,1,2-Tetrachloroethane	5	110	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane	200	9198	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	14.3	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichlorethane	5	50.2	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	640	10220	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	7	7	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloropropene	--[e]	--	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	70	1022	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethyl-benzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromoethane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene	600	9198	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	5	31.4	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene	600	--	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene	75	119.2	<5	<5	<5	<5	<5	<5	<5	<5
2,2-Dichloropropane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	917.72	5110	<25	<25	<25	<25	<25	<25	<25	<25
2-Chlorotoluene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	--	--	<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
4-Isopropyltoluene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	1520	5110	<25	<25	<25	<25	<25	<25	<25	<25
Acetone	3040	10220	<100	<100	<100	<100	<100	<100	<100	<100
Acrolein	--	--	<100	<100	<100	<100	<100	<100	<100	<100
Acrylonitrile	--	--	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	5	98.6	<5	<5	<5	<5	<5	<5	<5	<5
Bromobenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Butylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	--	--	<10	<10	<10	<10	<10	<10	<10	<10
Carbon Tetrachloride	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane	23160.75	--	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	100	468.9	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	70	1022	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane (chlorodibromomethane)	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane (Freon-12)	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Ethyl Methacrylate	--	--	<100	<100	<100	<100	<100	<100	<100	<100
Ethylbenzene	700	10220	<5	<5	<5	<5	<5	<5	<5	<5
Hexachloro-1,3-butadiene	10	36.7	<5	<5	<5	<5	<5	<5	<5	<5
Hexane	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Isopropylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5

OFF-SITE PHASE II ENVIRONMENTAL SITE ASSESSMENT
OLIVER INDUSTRIAL PARK
CITY OF SOUTH BEND, INDIANA

TABLE 2

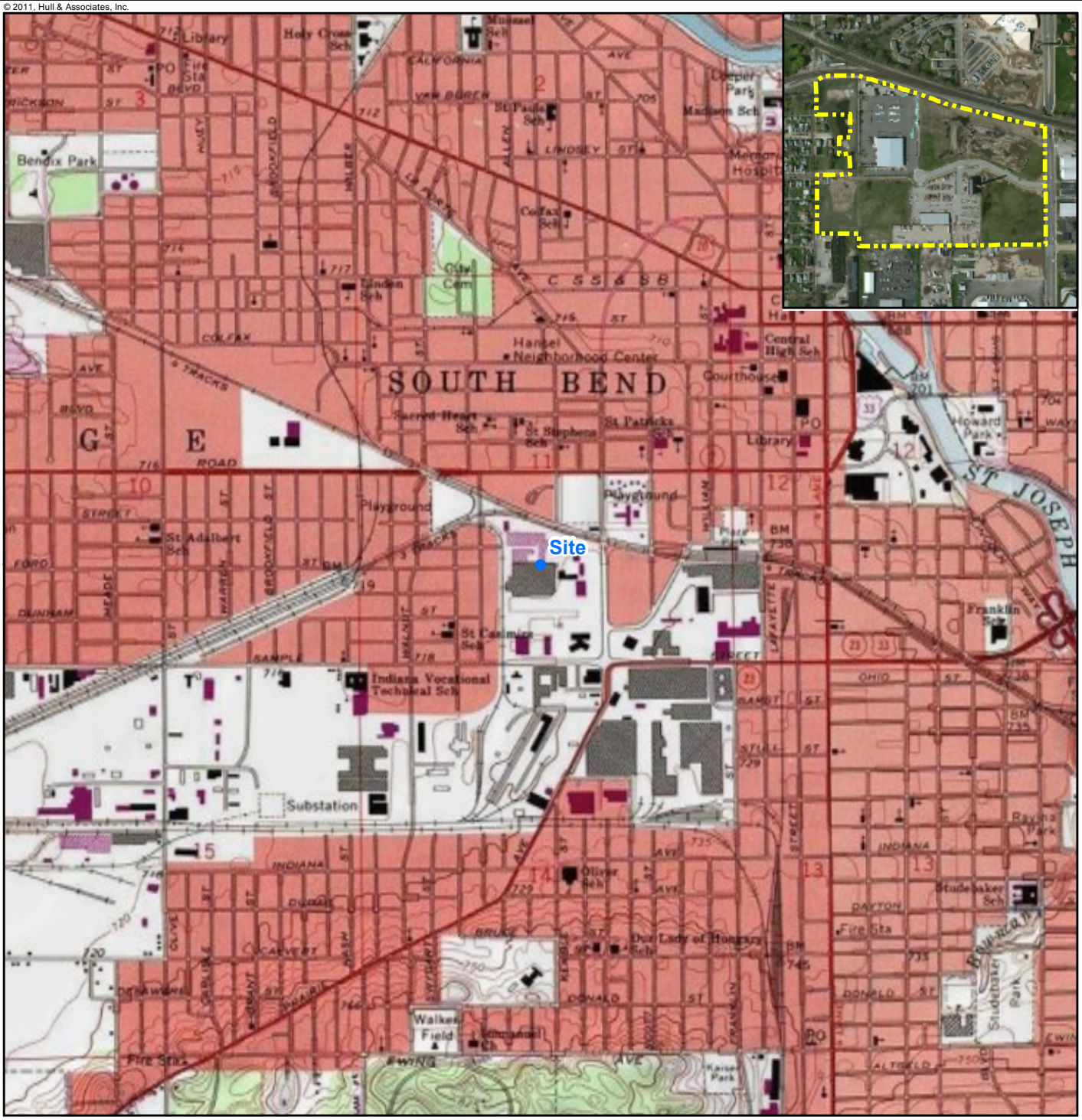
SUMMARY OF OFF-SITE GROUNDWATER LABORATORY ANALYSES, NOVEMBER 2011 (ug/L)

Sample Location	96 IN VRP Residential GW Cleanup Goal (ug/L)	96 IN VRP Nonresidential GW Cleanup Goal (ug/L)	MW22S	MW23D	MW23S	MW24	MW25D	MW25S	MW26D	MW26S
Sample Identification			SBI066:MW22S:G111711	SBI066:MW23D:G111711	SBI066:MW23S:G111711	SBI066:MW24:G111711	SBI066:MW25D:G111811	SBI066:MW25S:G111811	SBI066:MW26D:G111711	SBI066:MW26S:G111711
Sample Date			11/17/2011	11/17/2011	11/17/2011	11/17/2011	11/18/2011	11/18/2011	11/17/2011	11/17/2011
Methyl Bromide	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Iodide	--	--	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Bromide	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Methyl-tert-butyl-ether	--	--	<4	<4	<4	<4	<4	<4	<4	<4
Naphthalene	1216	4088	<5	<5	<5	<5	<5	<5	<5	<5
n-Propylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
sec-Butylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
tert-Butylbenzene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	5	56.1	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	1000	20440	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	--	--	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-butene	--	--	<100	<100	<100	<100	<100	<100	<100	<100
Trichloroethene	5	260	<5	<5	<5	<5	**15.1**	**8.4**	<5	<5
Trichlorofluoromethane (Freon-11)	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	--	--	<50	<50	<50	<50	<50	<50	<50	<50
Vinyl Chloride	2	10	<2	<2	<2	<2	<2	<2	<2	<2
Xylene	10000	204400	<10	<10	<10	<10	<10	<10	<10	<10

Notes:

a. The letter "A" as part of the sample ID indicates a duplicate sample.
b. NT - not tested for this parameter.
c. In the absence of a VRP Tier II Cleanup Goal for lead, this cleanup goal is derived from the IDEM 1/26/96 Nonrule Policy Lead Guidance Cleanup Level and the U.S. EPA MCL.
d. < - indicates less than detection limit or practical quantitation limit, as appropriate.
e. '--' An Indiana VRP criterion has not been established for this analyte.
f. BOLD and shaded cells represent an exceedence of the Indiana VRP Tier II Cleanup Goal.

FIGURES



Legend

● Site Location

Source: The topographic map was acquired through the USGS Topographic Map web service. Topo quadrangle date not provided.

The aerial photo in the inset was acquired through the Microsoft Virtual Earth Aerial Photogrpahy web service. Aerial photography date not provided.

0 500 1,000 2,000 Feet

1:24,000

N

Hull & associates, inc.

6435 Castleway West Dr.
Suite 119
Indianapolis, IN 46250

Phone: (800) 241-7173
Fax: (614) 793.9070
www.hullinc.com

Additional Off-Site Phase II ESA
Former Oliver Plow Works

Site Location Map

Chapin Street & Oliver Plow Court
South Bend, St. Joseph County, Indiana

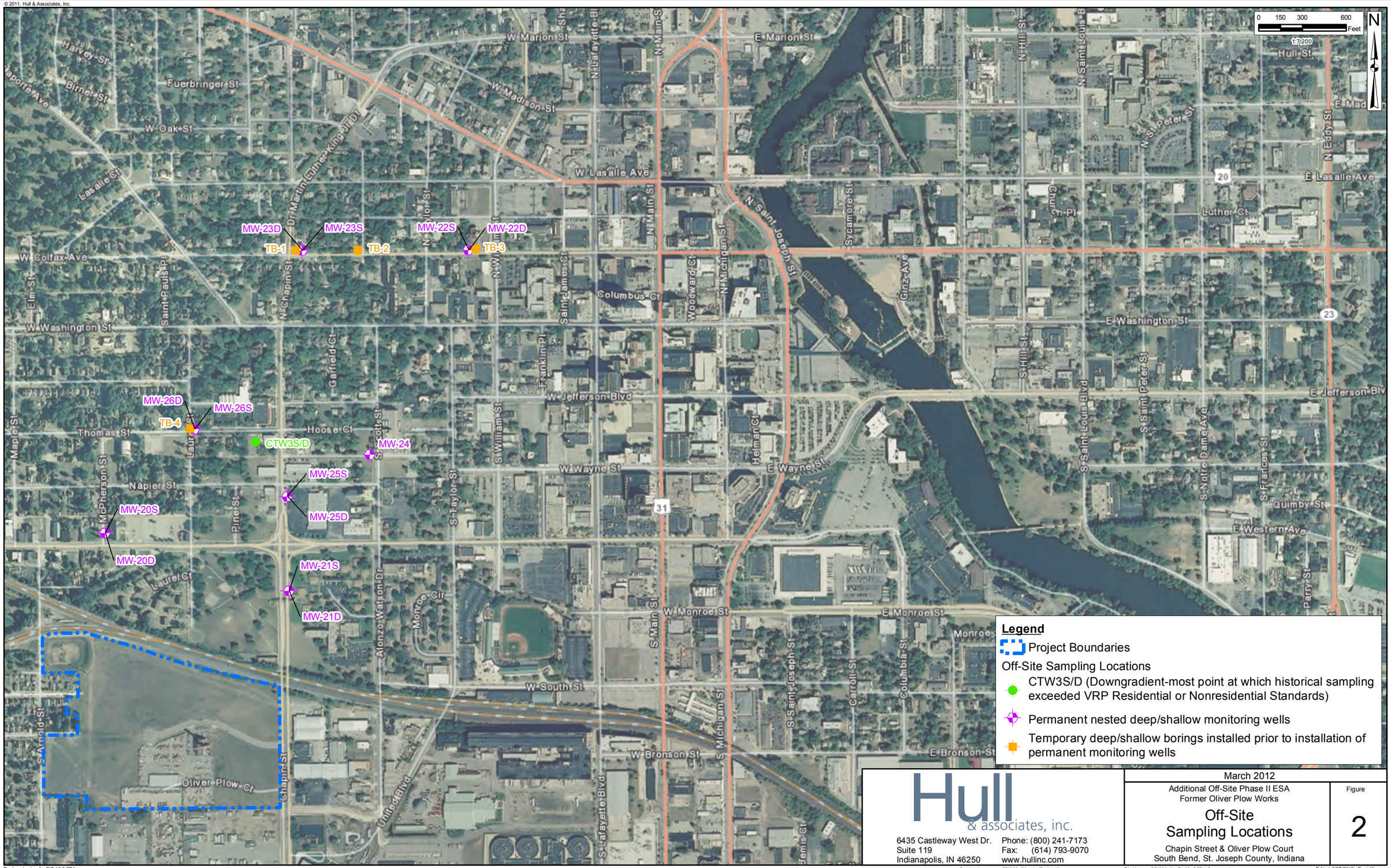
Date:
March 2012

File Name:
SBI066_04_Fig01_OlvPlwSLM.mxd

Edited: 2/27/2012 By: jslifer

Figure
1

Produced using ArcGIS 10.0 SP1



Hull & associates, inc.
6435 Castleway West Dr.
Suite 119
Indianapolis, IN 46250
Phone: (800) 241-7173
Fax: (614) 793-9070
www.hullinc.com

March 2012

Additional Off-Site Phase II ESA
Former Oliver Plow Works

Off-Site Sampling Locations

Chapin Street & Oliver Plow Court
South Bend, St. Joseph County, Indiana

Figure 2

Produced using ArcGIS 10.0 SP1

Geodatabase: SBI066_OliverIndPark.mdb

File Name: SBI066_04_Fig02_OffSiteSamp.mxd

Edited: 2/27/2012 By: jslifer

0 150 300 600 Feet

1:7,200

N

MW-23D 692.86
MW-23S 692.84
TB-1
TB-2
MW-22S 691.08
MW-22D 691.06
TB-3
692
693
694
695
696
697
698
699
700
MW-26D 699.36
MW-26S 699.36
TB-4
CTW3S/D
MW-24 696.72
MW-25S 699.43
699.43 MW-25D
MW-20S 701.09
701
701.11 MW-20D
MW-21S 700.41
700.40 MW-21D

W Marion St
E Marion St
Hull St
Fuerbringer St
Harvey St
Birner St
W Oak St
W Madison St
W Lasalle Ave
E Lasalle Ave
Lasalle Ct
Dr Martin Luther King Jr Dr
N Main St
N Saint Joseph St
Sycamore St
Ginz Ave
Luther Ct
N Eddy St
N Hill St
N Saint Louis Pl
N St Peter St
W Colfax Ave
Elm St
Saint Paul's Pl
N Chapin St
Saint James Ct
Columbus Ct
N Michigan St
Woodward Ct
W Washington St
E Washington St
S Hill St
S Saint Louis Blvd
S Saint Peter St
Franklin Pl
Gamble Ct
W Jefferson Blvd
E Jefferson Blv
Maple St
Thomas St
Laurel St
House Ct
S William St
Helman Ct
W Wayne St
E Wayne St
Napier St
McPherson St
S Taylor St
S Notre Dame Ave
S Frances St
Quimby St
E Western Ave
Laurel Ct
Alonzo Watson Dr
Monroe Cir
W Monroe St
E Monroe St
S Main St
S Saint Joseph St
Carroll St
Columbia St
W South St
S Arnold St
Chapin St
Oliver Plow Ct
United Blvd
S Lafayette Blvd
S Michigan St
W Bronson St
E Bronson St
Bemis Ct

20
23
31

Legend

- Project Boundaries
- Potentiometric Contours, Feet NAVD 1988
- Estimated Flow Direction

Off-Site Sampling Locations

- CTW3S/D (Downgradient-most point at which historical sampling exceeded VRP Residential or Nonresidential Standards)
- Permanent nested deep/shallow monitoring wells
- Temporary deep/shallow borings installed prior to installation of permanent monitoring wells

Hull & associates, inc.
6435 Castleway West Dr.
Suite 119
Indianapolis, IN 46250
Phone: (800) 241-7173
Fax: (614) 793-9070
www.hullinc.com

March 2012

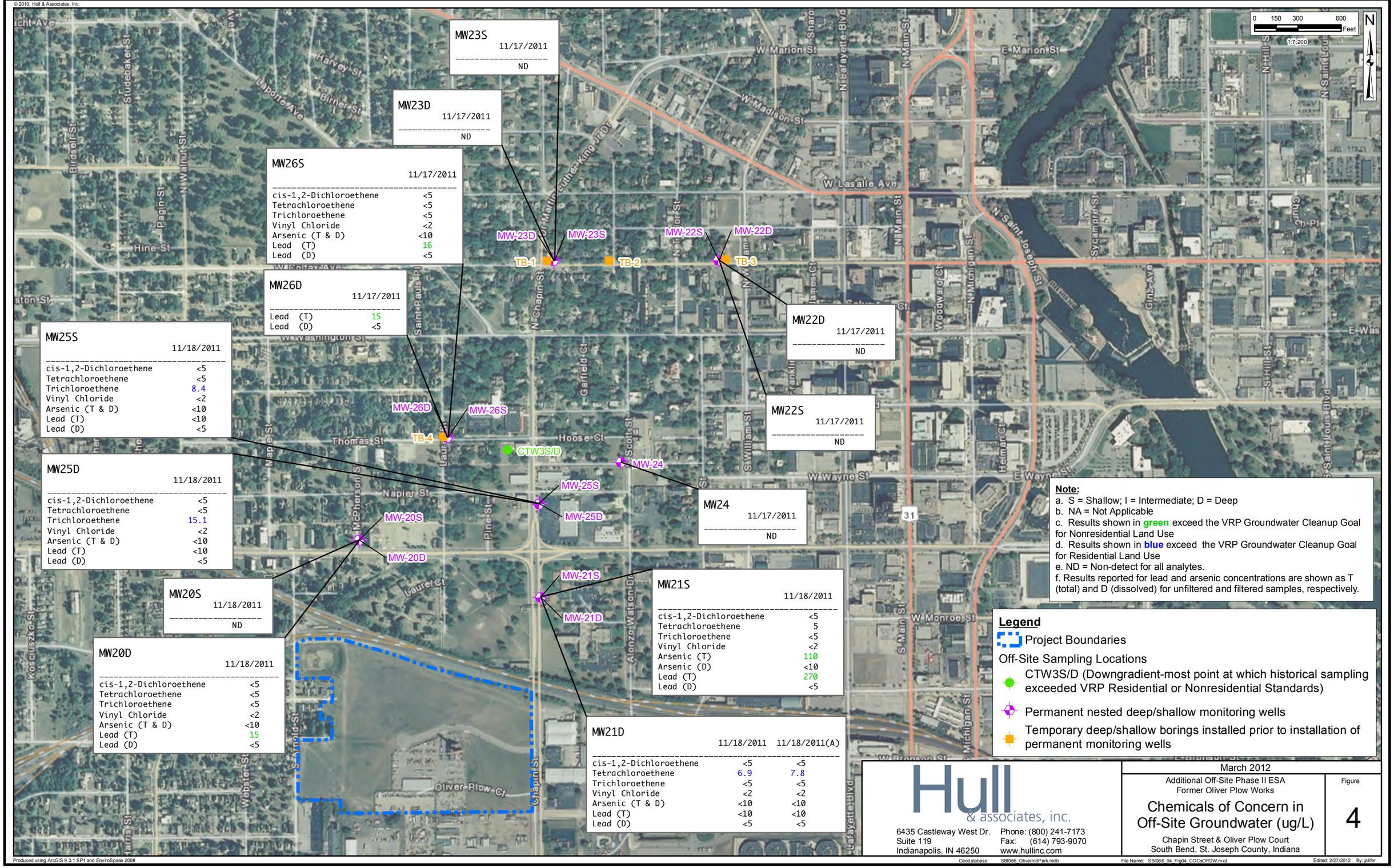
Additional Off-Site Phase II ESA
Former Oliver Plow Works

Potentiometric Surface Map (11/18/2011)

Chapin Street & Oliver Plow Court
South Bend, St. Joseph County, Indiana

Figure 3

Produced using ArcGIS 10.0 SP1
Geodatabase: SBI066_OliverIndPark.mdb
File Name: SBI066_04_Fig03_PSMNov2011.mxd
Edited: 2/27/2012 By: jslifer



Note:
a. S = Shallow; I = Intermediate; D = Deep
b. NA = Not Applicable
c. Results shown in **green** exceed the VRP Groundwater Cleanup Goal for Nonresidential Land Use
d. Results shown in **blue** exceed the VRP Groundwater Cleanup Goal for Residential Land Use
e. ND = Non-detect for all analytes.
f. Results reported for lead and arsenic concentrations are shown as T (total) and D (dissolved) for unfiltered and filtered samples, respectively.

Legend

- Project Boundaries

Off-Site Sampling Locations

- CTW3S/D (Downgradient-most point at which historical sampling exceeded VRP Residential or Nonresidential Standards)
- Permanent nested deep/shallow monitoring wells
- Temporary deep/shallow borings installed prior to installation of permanent monitoring wells

Hull & associates, inc.
6435 Castleway West Dr.
Suite 119
Indianapolis, IN 46250
Phone: (800) 241-7173
Fax: (614) 793-9070
www.hullinc.com

March 2012

Additional Off-Site Phase II ESA
Former Oliver Plow Works

Chemicals of Concern in Off-Site Groundwater (ug/L)

Chapin Street & Oliver Plow Court
South Bend, St. Joseph County, Indiana

Figure 4

Produced using ArcGIS 9.3.1 SP1 and EnviroSpase 2008
Geodatabase: SBI066_OliverIndPark.mdb
File Name: SBI066_04_Fig04_COCsOffGW.mxd
Edited: 2/27/2012 By: jslifer

APPENDIX A

Soil Boring Logs and Monitoring Well Construction Diagrams

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/7//2011
Date Completed	: 11/7/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 36.2
S. Water Level Date	: 11/7/2011
S. Water Level (ft.)	: 16.1

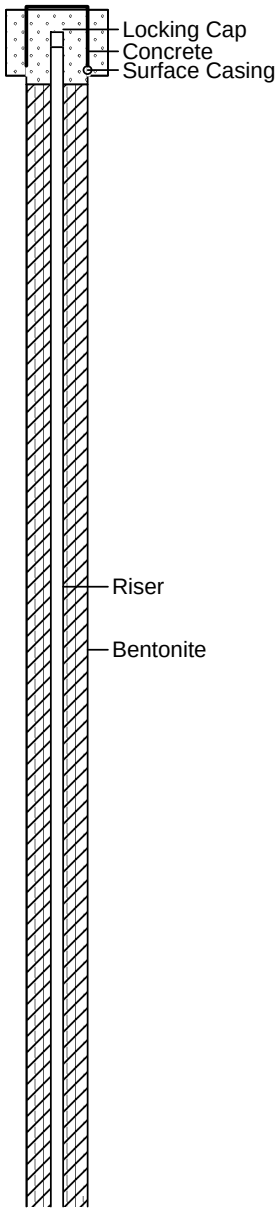
LOG OF WELL MW-20D

Approx. G. Elev.	: 717.99
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-20D
TOC Elev: 717.33

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0	2.0/1.3	SP1/SS1	0.0	2-3-3-4			0.0 to 0.3 - Dark brown organic TOPSOIL.
1							0.3 to 1.3 - Stiff dark brown SILTY CLAY, few fine sands, slightly moist.
							1.3 to 1.6 - Same as Above (SAA).
2	2.0/1.5	SP2/SS2	0.0	3-3-4-4			2.0 to 3.5 - Stiff light brown SILTY SAND, few fine to coarse gravel, slightly moist.
3							
4	2.0/1.1	SP3/SS3	0.0	2-2-3-5			4.0 to 5.1 - SAA
5							
6	2.0/1.5	SP4/SS4	0.0	3-3-4-5			6.0 to 7.5 - SAA
7							
8	2.0/1.3	SP5/SS5	0.0	3-7-11-11			8.0 to 9.3 - SAA, hard
9							
10	2.0/1.5	SP6/SS6	0.0	4-10-17-13			10.0 to 11.5 - SAA
11							
12	2.0/1.3	SP7/SS7	0.0	6-9-11-15			12.0 to 13.5 - SAA
13							
14	2.0/1.0	SP8/SS8	0.0	6-9-9-11			14.0 to 15.0 - SAA
15							
16							



Remarks:
No soil samples from MW-20D were submitted for laborator analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/7//2011
Date Completed	: 11/7/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 36.2
S. Water Level Date	: 11/7/2011
S. Water Level (ft.)	: 16.1

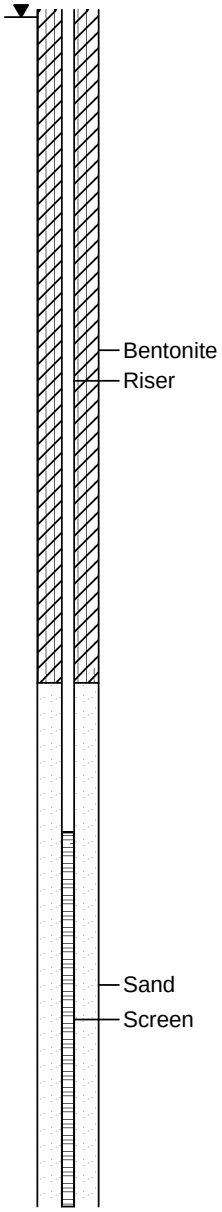
LOG OF WELL MW-20D

Approx. G. Elev.	: 717.99
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-20D
TOC Elev: 717.33

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
16	2.0/1.2	SP9/SS9	0.0	6-9-8-7			16.0 to 17.2 - Hard light brown sandy GRAVEL, little fine to coarse grain sand, wet.
18	2.0/1.1	SP10/SS10	0.0	6-6-7-7			18.0 to 19.1 - SAA
20	2.0/1.0	SP11/SS11	0.0	5-8-10-14			20.0 to 21.0 - SAA
22	2.0/0.9	SP12/SS12	0.0	6-7-8-10			22.0 to 22.9 - SAA
24	2.0/1.1	SP13/SS13	0.0	4-5-6-6			24.0 to 25.1 - SAA, very stiff
26	2.0/0.4	SP14/SS14	0.0	4-4-5-6			26.0 to 26.4 - SAA
28	2.0/1.4	SP15/SS15	0.0	5-8-15-15			28.0 to 29.4 - Hard dark brown to gray SILTY SAND, trace fine grain gravel, wet.
30	2.0/1.0	SP16/SS16	0.0	3-4-8-8			30.0 to 31.0 - SAA
32							



Remarks:
No soil samples from MW-20D were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/7//2011
Date Completed	: 11/7/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 36.2
S. Water Level Date	: 11/7/2011
S. Water Level (ft.)	: 16.1

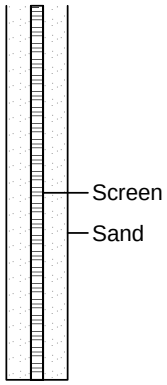
LOG OF WELL MW-20D

Approx. G. Elev.	: 717.99
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
32	2.0/1.9	SP17/SS17	0.0	8-10-10-12			32.0 to 33.9 - SAA
33							
34	2.0/2.0	SP18/SS18	0.0	4-5-7-9			34.0 to 36.0 - SAA, very stiff
35							
36	2.0/1.7	SP19/SS19	0.0	7-14			36.0 to 37.0 - SAA
37							End of Boring
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							

Well: MW-20D
TOC Elev: 717.33



Remarks:
No soil samples from MW-20D were submitted for laborator analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/7//2011
Date Completed	: 11/7/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 22.0
S. Water Level Date	: 11/7/2011
S. Water Level (ft.)	: 16.6

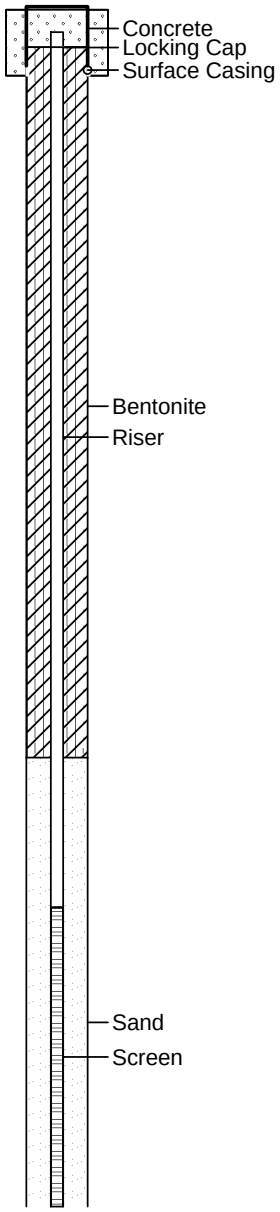
LOG OF WELL MW-20S

Approx. G. Elev.	: 718.04
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-20S
Elev: 717.75



Remarks:
MW-20S was blank drilled adjacent to MW-20D. See log of well MW-20D for a description of soils. No soil samples from MW-20S were submitted for laboratory analyses.

02-29-2012 P:\CLIENTS\SBI\SBI066 - Oliver Off-Site GWS\Library\Field_Forms\Boring Logs\MW-20S.bor

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/7//2011
Date Completed	: 11/7/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 22.0
S. Water Level Date	: 11/7/2011
S. Water Level (ft.)	: 16.6

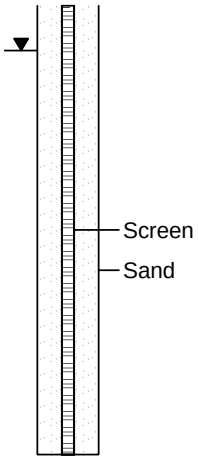
LOG OF WELL MW-20S

Approx. G. Elev.	: 718.04
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-20S
Elev: 717.75

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



Remarks:
MW-20S was blank drilled adjacent to MW-20D. See log of well MW-20D for a description of soils. No soil samples from MW-20S were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/8//2011
Date Completed	: 11/8/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 38.0
S. Water Level Date	: 11/8/2011
S. Water Level (ft.)	: 18.2

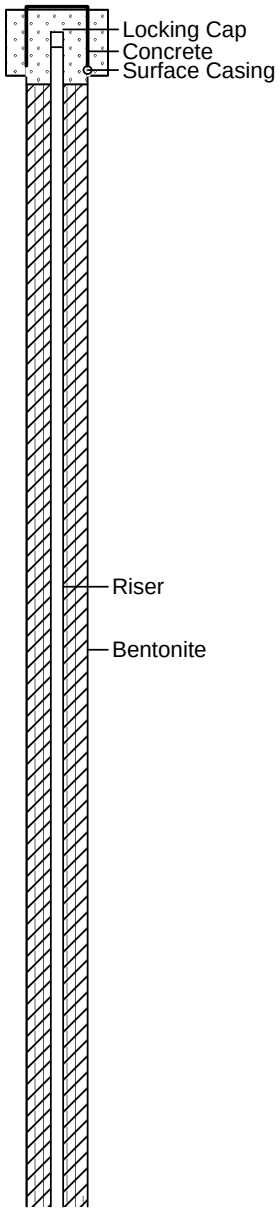
LOG OF WELL MW-21D

Approx. G. Elev.	: 719.38
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-21D
TOC Elev: 718.74

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0	2.0/1.3	SP1/SS1	0.0	2-2-2-3			0.0 to 0.2 - Dark brown organic TOPSOIL.
1							0.2 to 1.3 - Stiff dark brown SILTY CLAY, fine to coarse sand, moist (FILL).
2	2.0/1.2	SP2/SS2	0.0	6-9-10-12			2.0 to 2.2 - Same as Above (SAA).
3							2.2 to 3.2 - Hard light brown SILTY SAND, little fine to coarse gravel, moist (NATURAL).
4	2.0/1.3	SP3/SS3	0.0	6-7-10-14			4.0 to 5.3 - SAA
5							
6	2.0/1.3	SP4/SS4	0.0	6-10-10-12			6.0 to 7.3 - SAA (Sand is a little coarser)
7							
8	2.0/1.3	SP5/SS5	0.0	4-4-5-7			8.0 to 9.0 - SAA, very stiff
9							9.0 to 9.2 - Hard cemented SAND, with small calcite nodules, dry.
10	2.0/1.5	SP6/SS6	0.0	5-9-10-16			9.2 to 9.3 - Hard dark brown SILTY SAND, trace fine to coarse gravel, moist.
11							10.0 to 11.5 - SAA, with rock frags from the cemented sand.
12	2.0/1.3	SP7/SS7	0.0	8-9-10-12			12.0 to 13.3 - Hard light brown SILTY SAND, (fine sand size particles), moist.
13							
14	2.0/1.5	SP8/SS8	0.0	6-8-8-6			14.0 to 15.5 - SAA
15							
16							



Remarks:
No soil samples from MW-21D were submitted for Laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/8//2011
Date Completed	: 11/8/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 38.0
S. Water Level Date	: 11/8/2011
S. Water Level (ft.)	: 18.2

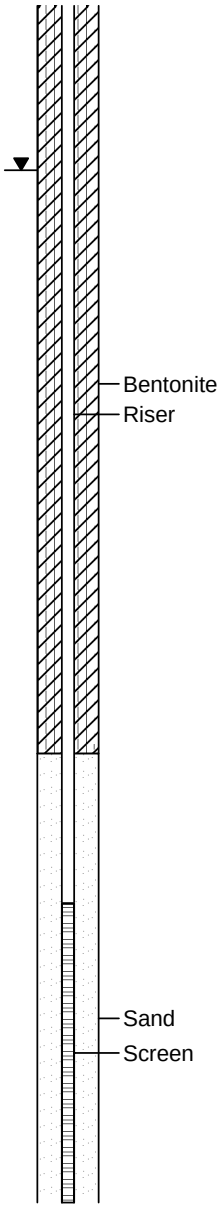
LOG OF WELL MW-21D

Approx. G. Elev.	: 719.38
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-21D
TOC Elev: 718.74

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
16	2.0/1.5	SP9/SS9	0.0	6-7-7-9			16.0 to 17.0 - SAA
17							17.0 to 17.5 - Very stiff grown and gray sandy GRAVEL, coarse gravel fragments, wet.
18	2.0/1.2	SP10/SS10	0.0	4-6-7-9			18.0 to 19.2 - SAA, fine to medium gravel.
19							
20	2.0/0.8	SP11/SS11	0.0	4-5-5-6			20.0 to 20.8 - SAA
21							
22	2.0/1.0	SP12/SS12	0.0	4-6-7-10			22.0 to 23.0 - SAA
23							
24	2.0/1.0	SP13/SS13	0.0	4-5-5-7			24.0 to 25.0 - SAA
25							
26	2.0/1.2	SP14/SS14	0.0	4-7-10-11			26.0 to 27.2 - SAA, hard
27							
28	2.0/1.1	SP15/SS15	0.0	4-4-5-9			28.0 to 29.1 - SAA, very stiff
29							
30	2.0/1.2	SP16/SS16	0.0	5-7-8-10			30.0 to 31.2 - SAA
31							
32							



Remarks:
No soil samples from MW-21D were submitted for Laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/8//2011
Date Completed	: 11/8/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 38.0
S. Water Level Date	: 11/8/2011
S. Water Level (ft.)	: 18.2

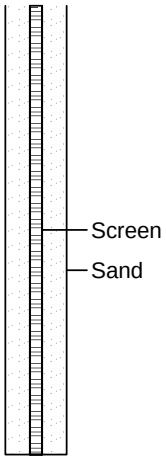
LOG OF WELL MW-21D

Approx. G. Elev.	: 719.38
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- ⊠ Sample Recovered
- ■ Sample Sent to Lab

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
32	2.0/1.1	SP17/SS17	0.0	4-5-7-6			32.0 to 33.1 - SAA
33							
34	2.0/0.9	SP18/SS18	0.0	4-4-4-6			34.0 to 34.9 - SAA
35							
36	2.0/1.0	SP19/SS19	0.0	3-4-7-8			36.0 to 37.0 - SAA
37							
38							End of Boring
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							

Well: MW-21D
TOC Elev: 718.74



Remarks:
No soil samples from MW-21D were submitted for Laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/8//2011
Date Completed	: 11/8/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 22.0
S. Water Level Date	: 11/8/2011
S. Water Level (ft.)	: 18.5

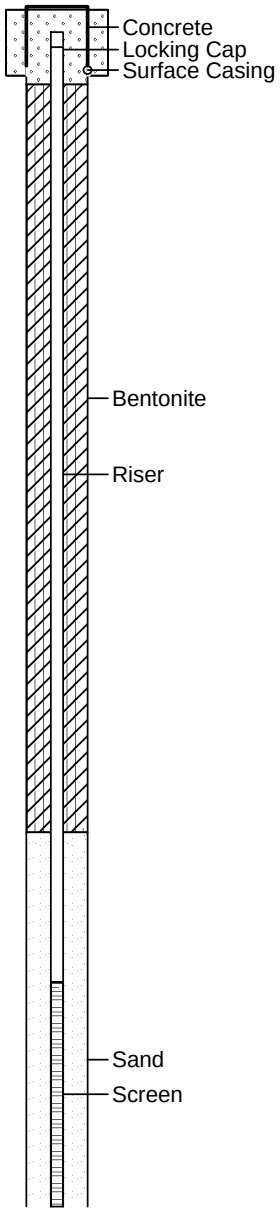
LOG OF WELL MW-21S

Approx. G. Elev.	: 719.45
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-21S
Elev: 719.11

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION



Remarks:
MW-21S was blank drilled adjacent to MW-21D. See log of well MW-21D for a description of soils.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/8//2011
Date Completed	: 11/8/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 22.0
S. Water Level Date	: 11/8/2011
S. Water Level (ft.)	: 18.5

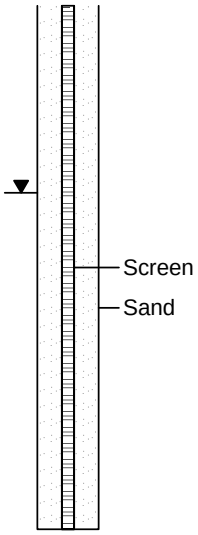
LOG OF WELL MW-21S

Approx. G. Elev.	: 719.45
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

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

Well: MW-21S
Elev: 719.11



Remarks:
MW-21S was blank drilled adjacent to MW-21D. See log of well MW-21D for a description of soils.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/9//2011
Date Completed	: 11/9/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 38.0
S. Water Level Date	: 11/9/2011
S. Water Level (ft.)	: 16.15

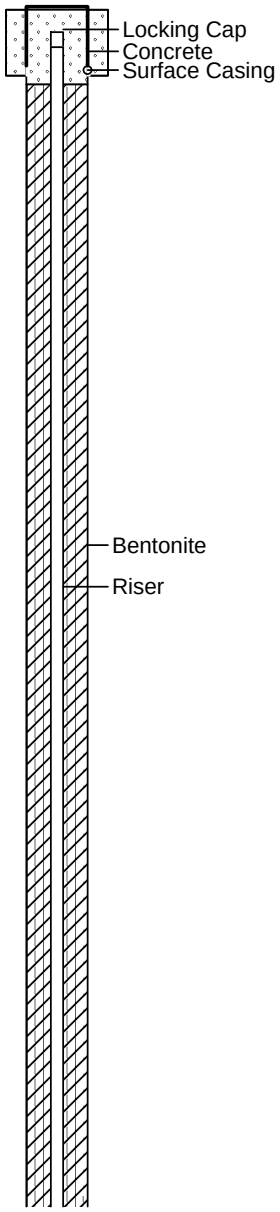
LOG OF WELL MW-22D

Approx. G. Elev.	: 707.76
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-22D
TOC Elev: 707.28

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0	2.0/1.6	SP1/SS1	0.1	2-2-2-3			0.0 to 0.2 - Dark brown organic TOPSOIL. 0.2 to 1.6 - Stiff dark brown SILTY CLAY, trace fine to coarse gravel, moist (FILL).
2	2.0/1.4	SP2/SS2	0.1	2-2-2-2			2.0 to 3.4 - Same as Above (SAA), little sand fine to coarse.
4	2.0/0.6	SP3/SS3	0.1	3-3-4-4			4.0 to 4.6 - SAA
6	2.0/1.0	SP4/SS4	0.0	6-7-12-15			6.0 to 7.0 - Hard light brown gravelly SAND, little fine to coarse gravel, moist (NATURAL).
8	2.0/1.1	SP5/SS5	0.0	7-7-9-10			8.0 to 9.1 - SAA
10	2.0/1.0	SP6/SS6	0.0	6-7-10-14			10.0 to 11.0 - SAA
12	2.0/1.0	SP7/SS7	0.0	7-10-10-13			12.0 to 13.0 - SAA
14	2.0/1.0	SP8/SS8	0.0	5-7-9-12			14.0 to 15.0 - SAA
16							



Remarks:
No soil samples from MW-22D were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/9//2011
Date Completed	: 11/9/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 38.0
S. Water Level Date	: 11/9/2011
S. Water Level (ft.)	: 16.15

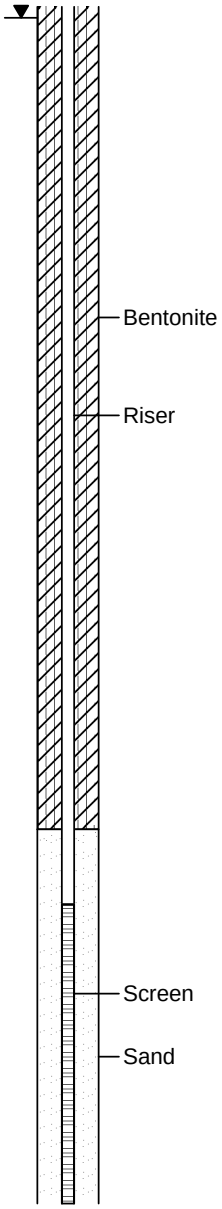
LOG OF WELL MW-22D

Approx. G. Elev.	: 707.76
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-22D
TOC Elev: 707.28

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
16	2.0/1.1	SP9/SS9	0.0	6-6-7-7			16.0 to 17.1 - SAA, very stiff, wet.
18	2.0/1.2	SP10/SS10	0.0	4-4-4-5			18.0 to 19.2 - SAA, finer sands fine to medium
20	2.0/1.8	SP11/SS11	0.0	4-5-7-9			20.0 to 21.8 - SAA
22	2.0/2.0	SP12/SS12	0.0	5-7-7-8			22.0 to 24.0 - SAA
24	2.0/1.5	SP13/SS13	0.0	4-5-5-5			24.0 to 25.5 - SAA
26	2.0/1.9	SP14/SS14	0.0	6-7-13-14			26.0 to 27.9 - SAA, hard
28	2.0/2.0	SP15/SS15	0.0	4-6-6-7			28.0 to 30.0 - SAA, very stiff
30	2.0/1.4	SP16/SS16	0.0	4-4-6-8			30.0 to 31.4 - SAA
32							32.0 to 32.9 - SAA



Remarks:
No soil samples from MW-22D were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/9//2011
Date Completed	: 11/9/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 38.0
S. Water Level Date	: 11/9/2011
S. Water Level (ft.)	: 16.15

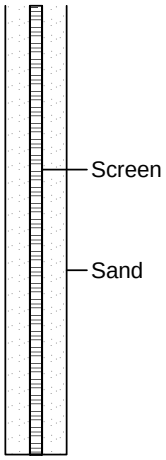
LOG OF WELL MW-22D

Approx. G. Elev.	: 707.76
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-22D
TOC Elev: 707.28

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
32	2.0/0.9	SP17/SS17	0.0	4-4-7-10			
34	2.0/0.3	SP18/SS18	0.0	5-6-7-9			34.0 to 34.3 - SAA
36	2.0/1.3	SP19/SS19	0.0	5-7-7-9			36.0 to 37.3 - SAA
38							End of Boring



Remarks:
No soil samples from MW-22D were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/9//2011
Date Completed	: 11/9/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 23.0
S. Water Level Date	: 11/9/2011
S. Water Level (ft.)	: 16.15

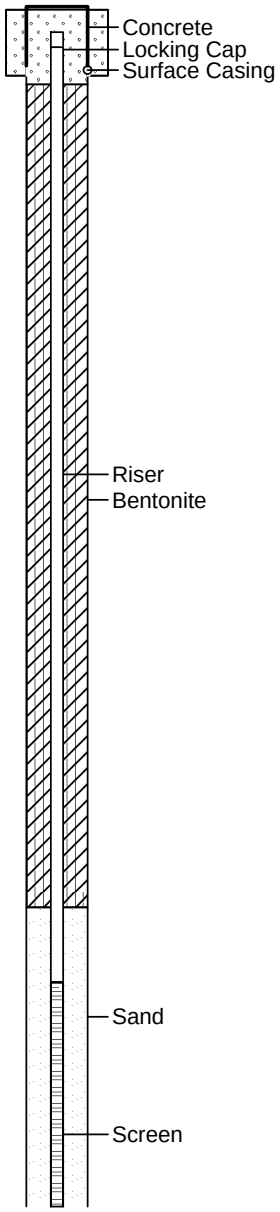
LOG OF WELL MW-22S

Approx. G. Elev.	: 707.97
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- ⊠ Sample Recovered
- ■ Sample Sent to Lab

Well: MW-22S
Elev: 707.33

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0 – 16							



Remarks:
MW-22S was blank drilled adjacent to MW-22D. See log of well MW-22D for a description of soils. No soil samples from MW-22D were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/9//2011
Date Completed	: 11/9/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 23.0
S. Water Level Date	: 11/9/2011
S. Water Level (ft.)	: 16.15

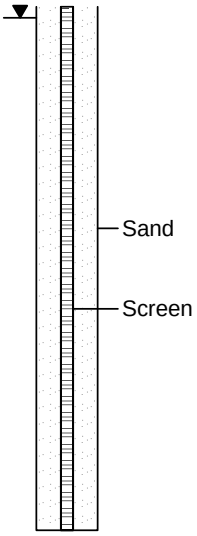
LOG OF WELL MW-22S

Approx. G. Elev.	: 707.97
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

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

Well: MW-22S
Elev: 707.33



Remarks:
MW-22S was blank drilled adjacent to MW-22D. See log of well MW-22D for a description of soils. No soil samples from MW-22D were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/10//2011
Date Completed	: 11/10/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 36.0
S. Water Level Date	: 11/10/2011
S. Water Level (ft.)	: 13.47

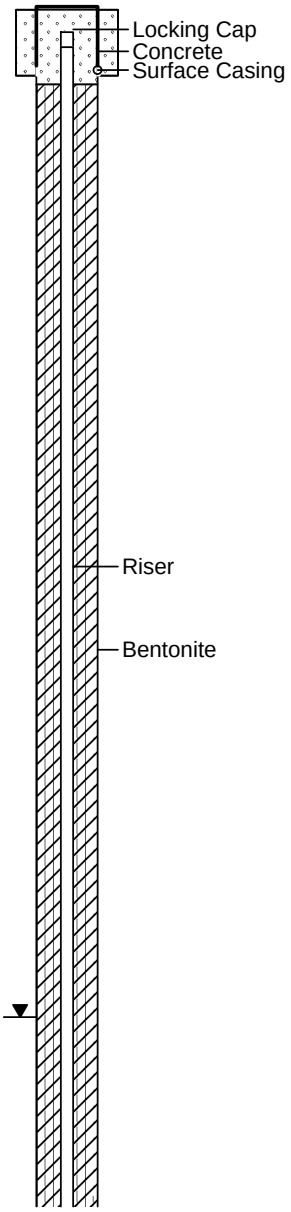
LOG OF WELL MW-23D

Approx. G. Elev.	: 706.71
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-23D
TOC Elev: 706.38

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0	2.0/1.5	SP1/SS1	0.1	2-2-2-2			0.0 to 0.2 - Dark brown organic TOPSOIL.
							0.2 to 1.0 - Medium siff dark brown SILTY CLAY, trace fine to coarse gravel, moist (FILL).
1							1.0 to 1.5 - Medium stiff light brown gavelly SAND, with little fine to coarse gravel, moist (NATURAL).
2	2.0/0.9	SP2/SS2	0.0	2-2-3-2			2.0 to 2.9 - Same as Above (SAA)
3							
4	2.0/1.3	SP3/SS3	0.0	2-2-2-1			4.0 to 5.3 - SAA
5							
6	2.0/1.0	SP4/SS4	0.0	1-2-2-7			6.0 to 7.0 - Stiff light bown fine to medium gravelly SAND, little fine to coarse gravel, moist.
7							
8	2.0/1.0	SP5/SS5	0.0	3-7-6-7			8.0 to 9.0 - SAA, very stiff
9							
10	2.0/1.0	SP6/SS6	0.0	6-6-7-7			10.0 to 11.0 - SAA
11							
12	2.0/1.0	SP7/SS7	0.0	6-7-10-9			12.0 to 13.0 - SAA, hard
13							
14	2.0/1.1	SP8/SS8	0.0	7-7-6-9			14.0 to 15.1 - Hard dark gray sandy GRAVEL, little fine to coarse sand, wet.
15							
16							



Remarks:
No soil samples from MW-23D were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/10//2011
Date Completed	: 11/10/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 36.0
S. Water Level Date	: 11/10/2011
S. Water Level (ft.)	: 13.47

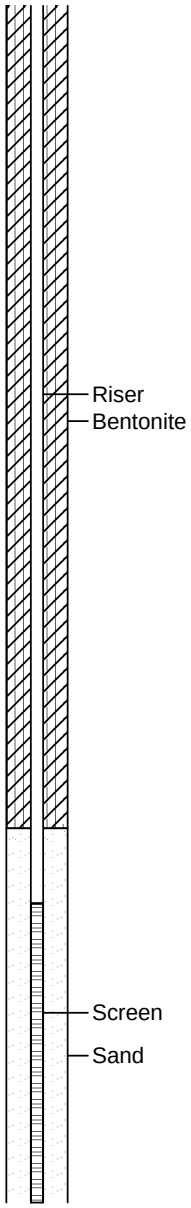
LOG OF WELL MW-23D

Approx. G. Elev.	: 706.71
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-23D
TOC Elev: 706.38

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
16	2.0/1.6	SP9/SS9	0.0	5-5-7-6			16.0 to 17.6 - SAA, very stiff
17							
18	2.0/1.8	SP10/SS10	0.0	4-4-4-5			18.0 to 19.8 - SAA
19							
20	2.0/1.8	SP11/SS11	0.0	5-5-6-6			20.0 to 21.8 - Very stiff light brown gravelly SAND, little fine to coarse gravel, moist.
21							
22	2.0/1.1	SP12/SS12	0.0	6-6-5-7			22.0 to 23.1 - SAA
23							
24	2.0/0.9	SP13/SS13	0.0	4-4-5-4			24.0 to 24.9 - SAA
25							
26	2.0/1.2	SP14/SS14	0.0	2-4-6-9			26.0 to 27.2 - SAA
27							
28	2.0/1.3	SP15/SS15	0.0	5-7-9-10			28.0 to 29.3 - SAA, hard
29							
30	2.0/1.0	SP16/SS16	0.0	3-4-5-7			30.0 to 31.0 - SAA, very stiff
31							
32							



Remarks:
No soil samples from MW-23D were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/10//2011
Date Completed	: 11/10/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 36.0
S. Water Level Date	: 11/10/2011
S. Water Level (ft.)	: 13.47

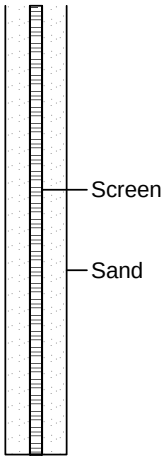
LOG OF WELL MW-23D

Approx. G. Elev.	: 706.71
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
Sample Recovered
Sample Sent to Lab

Well: MW-23D
TOC Elev: 706.38

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
32	2.0/1.0	SP17/SS17	0.0	6-7-10-15			32.0 to 33.0 - SAA, hard
33							
34	2.0/1.0	SP18/SS18	0.0	6-8-8-9			34.0 to 35.0 - SAA
35							
36							
37							
38							End of Boring
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							



Remarks:
No soil samples from MW-23D were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/10//2011
Date Completed	: 11/10/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 20.06
S. Water Level Date	: 11/10/2011
S. Water Level (ft.)	: 13.45

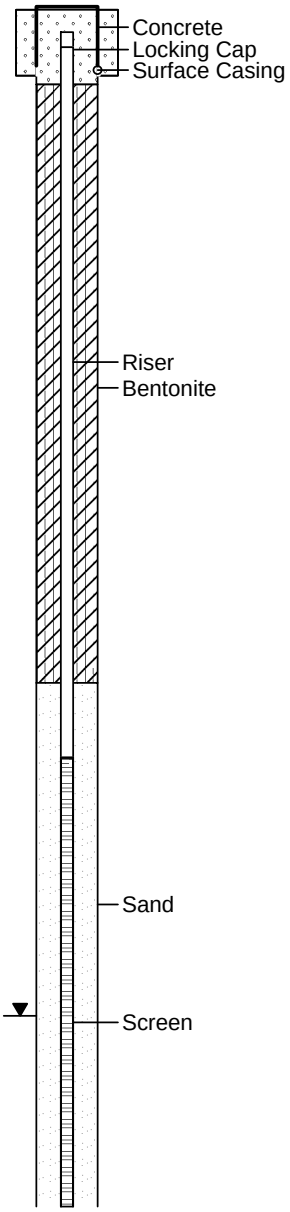
LOG OF WELL MW-23S

Approx. G. Elev.	: 706.73
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-23S
Elev: 706.37

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION



Remarks:
MW-23S was blank drilled adjacent to MW-23D. See log of well MW-23D for a description of soils. No soil samples from MW-23S were submitted for laboratory analyses.

02-29-2012 P:\CLIENTS\SBI\SBI066 - Oliver Off-Site GWS\Library\Field_Forms\Boring Logs\MW-23S.bor

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/10//2011
Date Completed	: 11/10/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 20.06
S. Water Level Date	: 11/10/2011
S. Water Level (ft.)	: 13.45

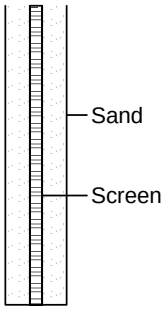
LOG OF WELL MW-23S

Approx. G. Elev.	: 706.73
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-23S
Elev: 706.37

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



Remarks:
MW-23S was blank drilled adjacent to MW-23D. See log of well MW-23D for a description of soils. No soil samples from MW-23S were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/11//2011
Date Completed	: 11/11/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 31.1
S. Water Level Date	: 11/11/2011
S. Water Level (ft.)	: 22.45

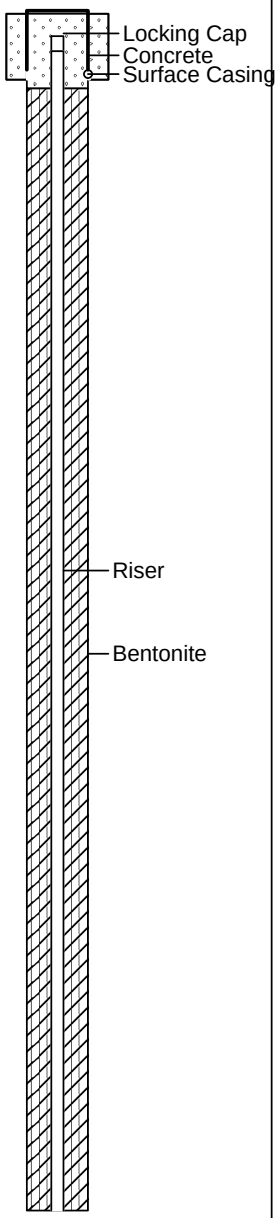
LOG OF WELL MW-24

Approx. G. Elev.	: 719.10
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-24
TOC Elev: 718.54

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0	2.0/1.3	SP1/SS1	0.1	55-1-0-1.3			0.0 to 0.3 - Dark brown organic TOPSOIL.
1							0.3 to 1.3 - Medium siff dark brown SILTY CLAY, trace fine to coarse sand, moist (FILL).
2	2.0/1.3	SP2/SS2	0.1	55-2-2-3.3			2.0 to 2.3 - Same as Above (SAA)
3							2.3 to 3.3 - Stiff light brown silty SAND, with trace fine to coarse gravel, moist (NATURAL).
4	2.0/1.1	SP3/SS3	0.0	55-3-4-5.1			4.0 to 5.1 - SAA
5							
6	2.0/1.2	SP4/SS4	0.0	55-4-6-7.2			6.0 to 7.2 - SAA, very stiff
7							
8	2.0/1.1	SP5/SS5	0.0	55-5-8-9.1			8.0 to 9.1 - SAA, hard
9							
10	2.0/1.1	SP6/SS6	0.0	55-6-10-11.1			10.0 to 11.1 - SAA
11							
12	2.0/1.2	SP7/SS7	0.0	55-7-12-13.2			12.0 to 13.2 - Very stiff gray sandy GRAVEL, little fine to coarse sand, moist.
13							
14	2.0/1.1	SP8/SS8	0.0	55-8-14-15.1			14.0 to 15.1 - SAA
15							
16							



Remarks:
No soil samples from MW-24 were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/11//2011
Date Completed	: 11/11/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 31.1
S. Water Level Date	: 11/11/2011
S. Water Level (ft.)	: 22.45

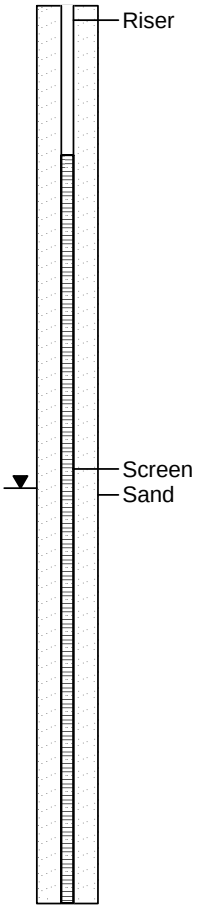
LOG OF WELL MW-24

Approx. G. Elev.	: 719.10
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-24
TOC Elev: 718.54

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
16	2.0/0.9	SP9/SS9	0.0	55-9-16-16.9			16.0 to 16.9 - SAA, hard
17							
18	2.0/1.9	SP10/SS10	0.0	55-10-18-19.9			18.0 to 18.2 - SAA
19							18.2 to 19.9 - Very stiff gray silty CLAY, with trace fine to coarse gravel, moist.
20	2.0/1.6	SP11/SS11	0.0	55-11-20-21.6			20.0 to 21.6 - SAA
21							
22	2.0/2.0	SP12/SS12	0.0	55-12-22-24			22.0 to 24.0 - SAA
23							
24	2.0/1.5	SP13/SS13	0.0	55-13-24-23.5			24.0 to 25.5 - SAA, wet
25							
26	2.0/1.3	SP14/SS14	0.0	55-14-26-27.3			26.0 to 27.3 - SAA, slightly moist.
27							
28	2.0/1.5	SP15/SS15	0.0	55-15-28-29.5			28.0 to 29.3 - SAA
29							29.3 to 29.5 - Hard gray clay SILT, with trace fine to coarse sand, moist.
30	2.0/1.1	SP16/SS16	0.0	55-16-30-31.1			30.0 to 31.1 - SAA
31							End of Boring
32							



Remarks:
No soil samples from MW-24 were submitted for laboratory analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/14//2011
Date Completed	: 11/14/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 39.0
S. Water Level Date	: 11/14/2011
S. Water Level (ft.)	: Not measured

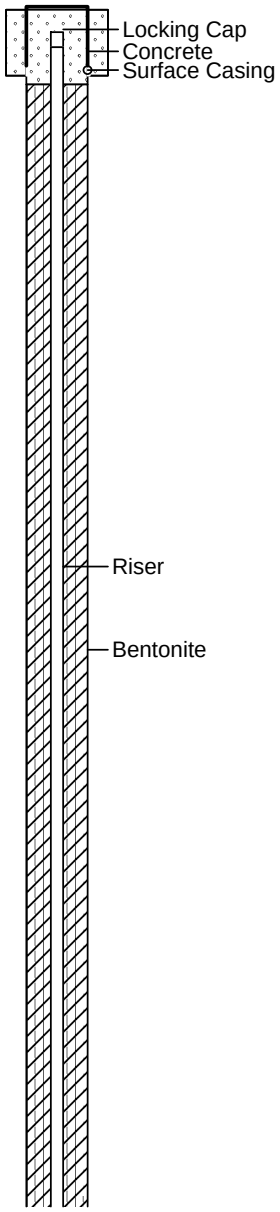
LOG OF WELL MW-25D

Approx. G. Elev.	: 718.68
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-25D
TOC Elev: 718.38

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0	2.0/1.5	SP1/SS1	0.1	4-4-5-3			0.0 to 0.4 - Dark brown organic TOPSOIL.
1							0.4 to 1.1 - Stiff dark brown silty CLAY, with trace fine to coarse gravel, slightly moist (FILL).
2	2.0/1.2	SP2/SS2	0.1	3-3-3-5			1.0 to 1.5 - Stiff light brown silty fine SAND, with trace fine to coarse gravel, slightly moist (NATURAL). 2.0 to 3.2 - Same as Above (SAA)
3							
4	2.0/1.2	SP3/SS3	0.0	2-2-2-3			4.0 to 5.2 - SAA
5							
6	2.0/1.1	SP4/SS4	0.0	3-3-4-4			6.0 to 7.1- SAA
7							
8	2.0/0.9	SP5/SS5	0.0	4-5-5-7			8.0 to 8.2 - SAA 8.2 to 8.9 - Very stiff dark brown silty coarse SAND, with little fine to coarse gravel, slightly moist.
9							
10	2.0/1.0	SP6/SS6	0.0	4-5-7-10			10.0 to 11.0 - SAA
11							
12	2.0/1.0	SP7/SS7	0.0	7-8-10-15			12.0 to 13.0 - Hard dark brown gravelly SAND, poorly sorted, slightly moist.
13							
14	2.0/NR	SP8/SS8	0.0	50/3			14.0 - No recovery, encountered large gravel/cobbles.
15							
16							



Remarks:
No soil samples from MW-25D were submitted to the laboratory for analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/14//2011
Date Completed	: 11/14/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 39.0
S. Water Level Date	: 11/14/2011
S. Water Level (ft.)	: Not measured

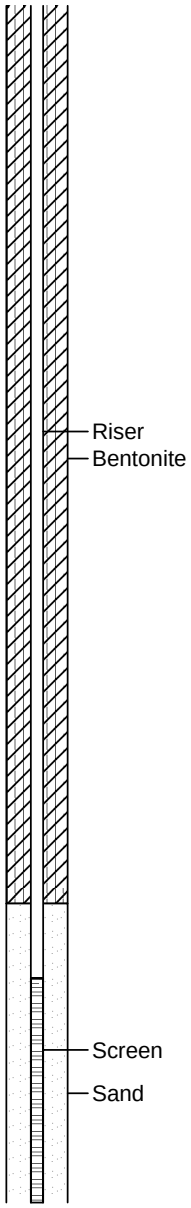
LOG OF WELL MW-25D

Approx. G. Elev.	: 718.68
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-25D
TOC Elev: 718.38

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
16	2.0/1.2	SP9/SS9	0.0	8-10-11-13			16.0 to 17.2 - SAA
17							
18	2.0/1.0	SP10/SS10	0.0	4-7-10-13			18.2 to 19.0 - SAA, wet.
19							
20	2.0/1.3	SP11/SS11	0.0	5-5-6-6			20.0 to 21.3 - Very stiff dark brown sandy GRAVEL, poorly sorted, wet.
21							
22	2.0/1.5	SP12/SS12	0.0	4-7-10-13			22.0 to 23.5 - SAA, hard
23							
24	2.0/1.4	SP13/SS13	0.0	6-8-9-14			24.0 - 25.4 - SAA
25							
26	2.0/1.3	SP14/SS14	0.0	6-7-10-13			26.0 to 27.3 - SAA
27							
28	2.0/2.0	SP15/SS15	0.0	7-8-11-15			28.0 to 30.0 - Hard dark brown gravelly SAND, poorly sorted, wet.
29							
30	2.0/1.6	SP16/SS16	0.0	4-5-5-6			30.0 to 31.6 - SAA, very stiff
31							
32							



Remarks:
No soil samples from MW-25D were submitted to the laboratory for analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/14//2011
Date Completed	: 11/14/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 39.0
S. Water Level Date	: 11/14/2011
S. Water Level (ft.)	: Not measured

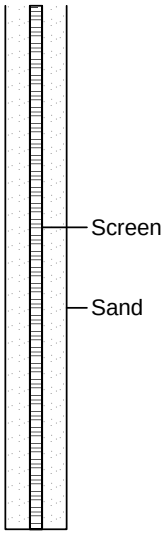
LOG OF WELL MW-25D

Approx. G. Elev.	: 718.68
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-25D
TOC Elev: 718.38

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
32	2.0/1.8	SP17/SS17	0.0	7-10-15-7			32.0 to 33.8 - SAA, hard
33							
34	2.0/1.6	SP18/SS18	0.0	8-10-15-18			34.0 to 35.6 - SAA
35							
36	2.0/1.5	SP19/SS19	0.0	7-9-14-17			36.0 to 37.5 - SAA
37							
38	1.0/1.0	SP20/SS20	0.0	4-5			38.0 to 39.0 - SAA
39							End of Boring
40							
41							
42							
43							
44							
45							
46							
47							
48							



Remarks:
No soil samples from MW-25D were submitted to the laboratory for analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/14//2011
Date Completed	: 11/14/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 24.09
S. Water Level Date	: 11/14/2011
S. Water Level (ft.)	: Not measured

LOG OF WELL MW-25S

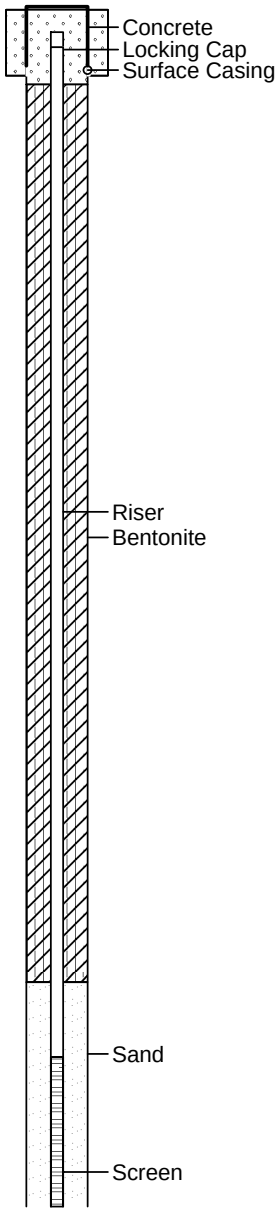
Approx. G. Elev.	: 718.63
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Depth in Feet | Sample Interval/ Sample Recovery | Sampler Type/ Sample Number | PID / FID (ppm) | Blow Count (6"-6"-6") | Samples | GRAPHIC

Soil Samples
- Sample Recovered
- Sample Sent to Lab

DESCRIPTION

Well: MW-25S
Elev: 718.36



Remarks:
MW-25S was blank drilled adjacent to MW-25D. See log of well MW-25D for a description of soils. No soil samples from MW-25S were submitted to laboratory for analyses.

02-29-2012 P:\CLIENTS\SBI\SBI066 - Oliver Off-Site GWS\Library\Field_Forms\Boring Logs\MW-25S.bor

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/14//2011
Date Completed	: 11/14/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 24.09
S. Water Level Date	: 11/14/2011
S. Water Level (ft.)	: Not measured

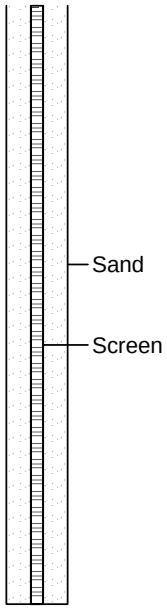
LOG OF WELL MW-25S

Approx. G. Elev.	: 718.63
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-25S
Elev: 718.36

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



Remarks:
MW-25S was blank drilled adjacent to MW-25D. See log of well MW-25D for a description of soils. No soil samples from MW-25S were submitted to laboratory for analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/15//2011
Date Completed	: 11/15/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 39.0
S. Water Level Date	: 11/15/2011
S. Water Level (ft.)	: 19.21

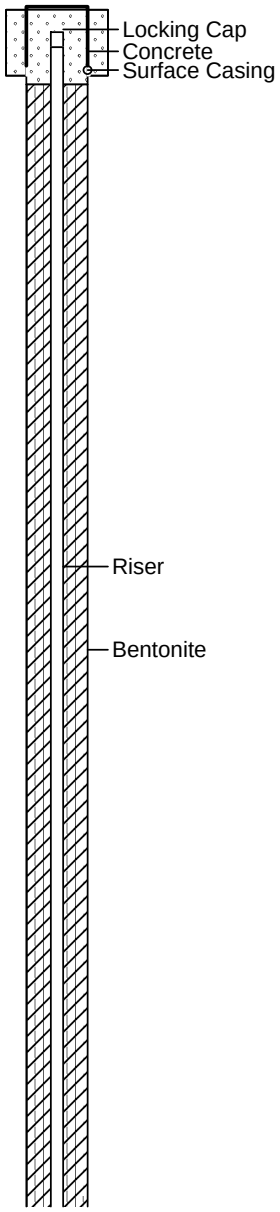
LOG OF WELL MW-26D

Approx. G. Elev.	: 718.99
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-26D
TOC Elev: 718.58

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0	2.0/1.3	SP1/SS1	0.1	1-1-1-4			0.0 to 0.3- Dark brown organic TOPSOIL.
							0.3 to 1.0 - Soft dark brown silty CLAY, trace fine to coarse sand, slightly moist (FILL).
1							1.0 to 1.3 - Soft light brown silty SAND, trace fine to coarse gravel, slightly moist (NATURAL).
2	2.0/1.0	SP2/SS2	0.0	3-4-4-6			2.0 to 3.0 - Same as Above (SAA), very stiff
3							
4	2.0/1.5	SP3/SS3	0.0	2-3-3-4			4.0 to 5.5 - SAA, very stiff
5							
6	2.0/0.9	SP4/SS4	0.0	7-8-8-10			6.0 to 6.9 - Hard light brown gravelly SAND, little coarse gravel, slightly moist.
7							
8	2.0/0.5	SP5/SS5	0.0	7-12-15-10			8.0 to 8.5 - SAA
9							
10	2.0/0.9	SP6/SS6	0.0	7-8-10-8			10.0 to 10.7 - SAA
11							
12	2.0/1.1	SP7/SS7	0.0	7-7-10-13			12.0 to 13.1 - SAA
13							
14	2.0/0.8	SP8/SS8	0.0	4-5-7-9			14.0 to 14.8 - SAA, very stiff
15							
16							



Remarks:
No soil samples from MW-26D were submitted to laboratory for analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/15//2011
Date Completed	: 11/15/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 39.0
S. Water Level Date	: 11/15/2011
S. Water Level (ft.)	: 19.21

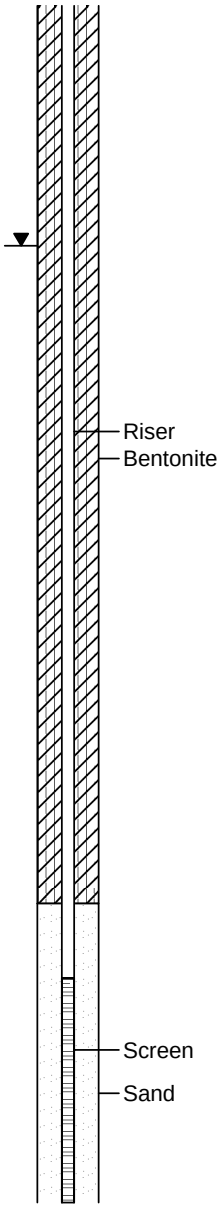
LOG OF WELL MW-26D

Approx. G. Elev.	: 718.99
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-26D
TOC Elev: 718.58

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
16	2.0/1.4	SP9/SS9	0.0	7-8-10-12			16.0 to 17.4 - SAA, moist, iron-staining at 17'
18	2.0/1.0	SP10/SS10	0.0	7-10-10-14			18.0 to 19.0 - Hard dark brown sandy fine to coarse GRAVEL, wet.
20	2.0/1.0	SP11/SS11	0.0	4-6-6-6			20.0 to 21.0 - SAA, very stiff
22	2.0/0.7	SP12/SS12	0.0	5-6-8-11			22.0 to 22.7 - SAA
24	2.0/0.7	SP13/SS13	0.0	3-3-4-5			24.0 to 24.7 - SAA, stiff
26	2.0/0.8	SP14/SS14	0.0	3-3-4-3			26.0 to 26.8 - SAA
28	2.0/1.6	SP15/SS15	0.0	4-6-6-7			28.0 to 29.6 - Very stiff dark brown fine to coarse gravelly SAND, wet.
30	2.0/0.8	SP16/SS16	0.0	4-6-7-9			30.0 to 30.8 - SAA
32							



Remarks:
No soil samples from MW-26D were submitted to laboratory for analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/15//2011
Date Completed	: 11/15/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 39.0
S. Water Level Date	: 11/15/2011
S. Water Level (ft.)	: 19.21

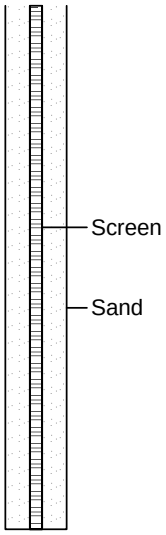
LOG OF WELL MW-26D

Approx. G. Elev.	: 718.99
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-26D
TOC Elev: 718.58

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
32	2.0/1.9	SP17/SS17	0.0	5-6-6-9			32.0 to 33.9 - SAA
34	2.0/1.7	SP18/SS18	0.0	5-7-9-10			34.0 to 35.7 - SAA
36	2.0/1.3	SP19/SS19	0.0	5-8-11-12			36.0 to 37.3 - SAA
38	1.0/0.0	SP20/SS20	0.0	5-7			38.0 to 39.0 - No recovery
39							End of Boring



Remarks:
No soil samples from MW-26D were submitted to laboratory for analyses.

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/15//2011
Date Completed	: 11/15/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 23.85
S. Water Level Date	: 11/15/11
S. Water Level (ft.)	: 19.35

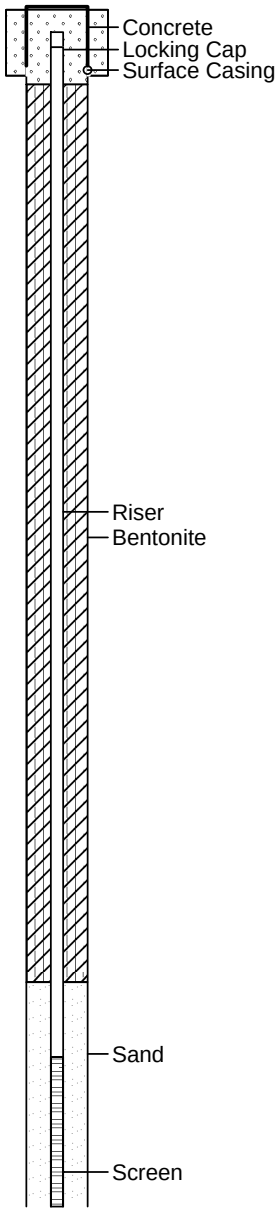
LOG OF WELL MW-26S

Approx. G. Elev.	: 719.03
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-26S
Elev: 718.77



Remarks:
MW-26S was blank drilled adjacent to MW-26D. See log of well MW-26D for a description of soils. No soil samples from MW-26S were submitted to laboratory for analyses.

02-29-2012 P:\CLIENTS\SBI\SBI066 - Oliver Off-Site GWS\Library\Field_Forms\Boring Logs\MW-26S.bor

Hull & associates, inc.

Former Oliver Plow Works Site
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/15//2011
Date Completed	: 11/15/2011
Logged by	: Nick Kasper
Reviewed by	: Doug Stuart
Drilling Contractor	: D&T Drilling
Drilling Method	: Hollow Stem Auger
Sampling Method	: Split Spoon
Total Depth (ft.)	: 23.85
S. Water Level Date	: 11/15/11
S. Water Level (ft.)	: 19.35

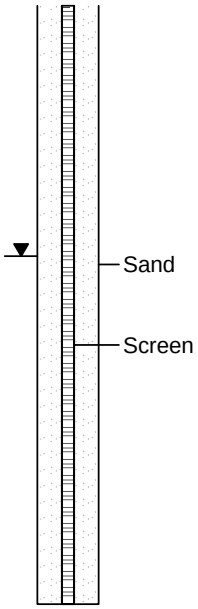
LOG OF WELL MW-26S

Approx. G. Elev.	: 719.03
PID Model	: 580B
PID Calibration	: 100 PPM Isobutylene

Soil Samples
- Sample Recovered
- Sample Sent to Lab

Well: MW-26S
Elev: 718.77

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



Remarks:
MW-26S was blank drilled adjacent to MW-26D. See log of well MW-26D for a description of soils. No soil samples from MW-26S were submitted to laboratory for analyses.

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/2/2011
Date Completed	: 11/2/2011
Logged By	: Luke Wright
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT Track Rig
Sampling Method	: N/A
Total Depth	: 34.0
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-1D

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples
- Sample Interval
- Lab Sample

Water Levels
- Static
- During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							

Remarks:
No soil samples from TB-1D were submitted for laboratory analyses.
Blank drilled to 34.0'. Temporary screen set from 30.0' to 34.0'.

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/2/2011
Date Completed	: 11/2/2011
Logged By	: Luke Wright
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT Track Rig
Sampling Method	: N/A
Total Depth	: 25.0
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-1S

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples
- Sample Interval
- Lab Sample

Water Levels
- Static
- During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

Remarks:
No soil samples from TB-1S were submitted for laboratory analyses..

Blank drilled to 19.0'. Temporary screen set from 20.0 to 24.0'.

02-21-2012 J:\CLIENTS\SBI\SBI066 - Oliver Off-Site GWS\Library\Field_Forms\Boring Logs\TB-1S.bor

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/2/2011
Date Completed	: 11/2/2011
Logged By	: Luke Wright
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT Track Rig
Sampling Method	: N/A
Total Depth	: 25.0
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-1S

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples
- Sample Interval
- Lab Sample

Water Levels
- Static
- During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
16							
17							
18							
19							
20	5.0/5.0	SP1/SS1	0.4	NA			20.0 to 25.0 - Medium dense brown fine grain SAND, with trace fine to medium gravel, wet.
21							
22		SP1/SS2	0.6	NA			
23							
24		SP1/SS3	1.8	NA			
25							End of Boring
26							
27							
28							
29							
30							
31							
32							

Remarks:
No soil samples from TB-1S were submitted for laboratory analyses..

Blank drilled to 19.0'. Temporary screen set from 20.0 to 24.0'.

02-21-2012 J:\CLIENTS\SBI\SBI066 - Oliver Off-Site GWS\Library\Field_Forms\Boring Logs\TB-1S.bor

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/2/2011
Date Completed	: 11/2/2011
Logged By	: Luke Wright
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT Track Rig
Sampling Method	: 5' Macrocore
Total Depth	: 29.0
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-2D

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0	5.0/4.0	DP1/SS1	0.0	NA			0.0 to 0.5 - Topsoil
1							0.5 to 1.9 - Loose brown fine grain SILTY SAND, moist.
2		DP1/SS2	0.0	NA			1.9 to 3.0 - Medium dense gray fine to medium grain SILTY SAND, moist.
3							3.0 to 4.0 - Medum dense gray medium to coarse grain SAND, with trace fine gravel.
4							
5	5.0/4.0	DP2/SS3	0.0	NA			5.0 to 9.0 - Medum dense gray to brown fine to coarse grain SAND, trace fine gravel.
6							
7		DP2/SS4	0.0	NA			
8							
9							
10	5.0/5.0	DP3/SS5	0.0	NA			10.0 to 14.0 - Same as Above (SAA), brown.
11							
12		DP3/SS6	0.0	NA			
13							
14							14.0 to 15.0 - Medium dense brown fine to medium grain SAND, with few medium gravel.
15	5.0/4.0	DP4/SS7	0.0	NA			Wet at 14.5 15.0 to 19.0 - Medium dense brown fine to medium grain SAND, with trace fine gravel, wet.
16							

Remarks:
No soil samples were submitted to laboratory for analysis.

Temporary screen set from 25.0' to 29.0'. Blank drilled from 20.0' to 29.0'.

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/2/2011
Date Completed	: 11/2/2011
Logged By	: Luke Wright
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT Track Rig
Sampling Method	: 5' Macrocore
Total Depth	: 29.0
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-2D

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples
- Sample Interval
- Lab Sample

Water Levels
- Static
- During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
16							
17		DP4/SS8	0.0	NA			
18							
19							
20							20.0 to 29.0 - Blank drilled
21							
22							
23							
24							
25							
26							
27							
28							
29							End of Boring
30							
31							
32							

Remarks:
No soil samples were submitted to laboratory for analysis.

Temporary screen set from 25.0' to 29.0'. Blank drilled from 20.0' to 29.0'.

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/2/2011
Date Completed	: 11/2/2011
Logged By	: Luke Wright
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT Track Rig
Sampling Method	: N/A
Total Depth	: 19.0
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-2S

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples
- Sample Interval
- Lab Sample

Water Levels
- Static
- During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0–19							

Remarks:
TB-2S was blank drilled adjacent to TB-2D. See soil boring log TB-2D for a description of soils. No soil samples from TB-2S were submitted for laboratory analysis.

Blank drilled to 19.0'. Temporary screen set from 15.0' to 19.0'.

02-21-2012 J:\CLIENTS\SBI\SBI066 - Oliver Off-Site GWS\Library\Field_Forms\Boring Logs\TB-2S.bor

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/3/2011
Date Completed	: 11/3/2011
Logged By	: Luke Wright
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT Track Rig
Sampling Method	: 5' Macrocore
Total Depth	: 29.0
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-3D

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0	5.0/3.5	DP1/SS1	0.0	NA			0.0 to 0.5 - Topsoil
1							0.5 to 3.0 - Medum dense brown fine grain SAND, with trace gravel.
2		DP1/SS2	0.0	NA			
3							3.0 to 3.5 - Medum dense gray fine grain SAND, with many fine gravel.
4							
5	5.0/4.0	DP2/SS3	0.0	NA			5.0 to 7.5 - Same as Above (SAA).
6							
7		DP2/SS4	0.0	NA			
8							7.5 to 9.0 - Medum dense gray fine grain SAND, with trace gravel.
9							
10	5.0/4.0	DP3/SS5	0.0	NA			10.0 to 14.0 - Medium dense brown fine to medium grain SAND, with many fine gravel.
11							
12		DP3/SS6	0.0	NA			
13							Wet at 13.5'.
14							
15	5.0/2.5	DP4/SS7	0.0	NA			15.0 to 16.0 - Medium dense brown fine to medium grain GRAVEL, with fine grain sand, wet.
16							

Remarks:
No soil samples were submitted to laboratory for analysis.

Drilled to 29.0'. Temporary screen from 25.0' to 29.0'.

02-21-2012 J:\CLIENTS\SBI\SBI066 - Oliver Off-Site GWS\Library\Field_Forms\Boring Logs\TB-3D.bor

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/3/2011
Date Completed	: 11/3/2011
Logged By	: Luke Wright
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT Track Rig
Sampling Method	: 5' Macrocore
Total Depth	: 29.0
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-3D

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples
- Sample Interval
- Lab Sample

Water Levels
- Static
- During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
16							16.0 to 17.5 - Medium dense gray fine grain SAND, wet.
17		DP4/SS8	0.0	NA			
18							17.50 to 29.0 - Blank drilled
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							End of Boring
30							
31							
32							

Remarks:
No soil samples were submitted to laboratory for analysis.

Drilled to 29.0'. Temporary screen from 25.0' to 29.0'.

02-21-2012 J:\CLIENTS\SBI\SBI066 - Oliver Off-Site GWS\Library\Field_Forms\Boring Logs\TB-3D.bor

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/3/2011
Date Completed	: 11/3/2011
Logged By	: Luke Wright
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT Track Rig
Sampling Method	: N/A
Total Depth	: 19.0
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-3S

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples
- Sample Interval
- Lab Sample

Water Levels
- Static
- During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0–19							

Remarks:
TB-3S was blank drilled adjacent to TB-3D. See soil boring log TB-3D for a description of soils. No soil samples from TB-3S were submitted for laboratory analysis.

Blank drilled to 19.0'. Temporary screen set from 15.0 to 19.0'.

02-21-2012 J:\CLIENTS\SBI\SBI066 - Oliver Off-Site GWS\Library\Field_Forms\Boring Logs\TB-3S.bor

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066
Project Manager: Doug Stuart

Date Started	: 11/2/2011
Date Completed	: 11/2/2011
Logged By	: Ryan Sievers
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT
Sampling Method	: 5' Macrocore
Total Depth	: 34.0'
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-4D

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0			0.0	NA			0.0 to 6.0 - Hand auger
1							
2			0.0	NA			
3							
4			0.0	NA			
5							
6	5.0/3.0	DP1/SS1	0.0	NA			6.0 to 9.0 - Medium dense brown fine grain SAND, with fine gravel.
7							
8		DP1/SS2	0.0	NA			
9							
10							
11	5.0/4.0	DP2/SS3	0.0	NA			11.0 to 15.0 - Medium dense gray fine to medium grain SAND, with trace gravel.
12							
13		DP2/SS4	0.0	NA			
14							
15							
16							

Remarks:
No soil samples were submitted to laboratory for analysis.

Blank drilled from 20.0' to 34.0'. Temporary screen from 30.0' to 34.0'.

02-21-2012 J:\CLIENTS\SBI\SBI066 - Oliver Off-Site GW\Library\Field_Forms\Boring Logs\TB-4D.bor

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066
Project Manager: Doug Stuart

Date Started	: 11/2/2011
Date Completed	: 11/2/2011
Logged By	: Ryan Sievers
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT
Sampling Method	: 5' Macrocore
Total Depth	: 34.0'
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-4D

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
16	5.0/4.0	DP3/SS5	0.0	NA			16.0 to 17.0 - Medium dense brown fine to medium grain GRAVEL, with fine grain sand.
17							17.0 to 20.0 - Medium dense gray fine grain SAND, with trace gravel.
18		DP3/SS6	0.0	NA			
19							Wet at 19.0'.
20							20.0 to 34.0 - Blank drilled
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							

Remarks:
No soil samples were submitted to laboratory for analysis.

Blank drilled from 20.0' to 34.0'. Temporary screen from 30.0' to 34.0'.

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/2/2011
Date Completed	: 11/2/2011
Logged By	: Ryan Sievers
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT
Sampling Method	: 5' Macrocore
Total Depth	: 34.0'
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-4D

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples
- Sample Interval
- Lab Sample

Water Levels
- Static
- During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
32							
33							
34							End of Boring
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							

Remarks:
No soil samples were submitted to laboratory for analysis.

Blank drilled from 20.0' to 34.0'. Temporary screen from 30.0' to 34.0'.

Hull & associates, inc.

Former Oliver Plow
South Bend, Indiana

Project Number: SBI066

Project Manager: Doug Stuart

Date Started	: 11/3/2011
Date Completed	: 11/3/2011
Logged By	: Ryan Sievers
Reviewed By	: Doug Stuart
Drilling Contractor	: D&T
Drilling Method	: 6620 DT Track Rig
Sampling Method	: N/A
Total Depth	: 19.0
S. Water Level Date	: NA
S. Water Level (ft)	: NA

LOG OF BORING TB-4S

G. Elev. (ft USGS)	: Not surveyed
PID/FID Model	: 580B OVM
PID/FID Calibration	: 100ppm Isobutylene

Soil Samples
- Sample Interval
- Lab Sample

Water Levels
- Static
- During drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID/FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	DESCRIPTION
0							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							

Remarks:
TB-4S was blank drilled adjacent to TB-4D. See soil boring log TB-4D for a description of soils. No soil samples from TB-4S were submitted for laboratory analysis.

Blank drilled to 24.0'. Temporary screen set from 20.0 to 24.0'.

02-21-2012 J:\CLIENTS\SBI\SBI066 - Oliver Off-Site GWS\Library\Field_Forms\Boring Logs\TB-4S.bor

APPENDIX B

Field Sampling Forms

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW28S
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME:
ADDRESS:
CONTACT:
PROJECT NUMBER: SBI066
TELEPHONE:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: Good
GROUND SURFACE ELEVATON:
TOTAL DEPTH (FROM GROUND SURFACE):
SCREENED INTERVAL (INCLUDING SAND PACK):
SCREENED FORMATION:
CASING MATERIAL/DIAMETER: PVC 2"
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: 40's cloudy
BAROMETRIC PRESSURE:
WIND DIRECTION: 10-15 SE
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Rylan Sievers
MEASURED TOTAL DEPTH (FROM TOC): 22.61
VOLUME OF STATIC WATER:
STATIC WATER LEVEL (FROM TOC): 16.25
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 11/17/11
PURGING METHOD: Low Flow - 2" QED Bladder
PURGING RATE: < 100ml/min
TIME OF PURGING: 1120
VOLUME PURGED: .25 gallons

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time	1120	1124	1128	1132	1136	1140	1144
pH (0.1)	6.95	7.19	7.27	7.27	7.26	7.25	7.25
Temp. (3%)	13.43	15.87	15.75	15.76	15.78	15.78	15.79
Spec. Cond. (3%)	1.52	1.48	1.47	1.47	1.46	1.46	1.45
Corr. Cond.							
Redox Pot. (10)	-60	-62	-64	-64	-62	-59	-60
D.O. (10%)	6.73	6.95	7.02	7.04	6.75	6.72	6.72
Turbidity (10%)							
Water Level*	16.25						16.25

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE

Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/17/11 1145
SAMPLING METHOD: Low Flow
FIELD FILTERED ____ YES X NO
SAMPLING RATE (IF USING DEDICATED PUMP): <100ml/min
STATIC WATER LEVEL (AFTER SAMPLING): 16.25
IF YES SIZE OF FILTER ____

SAMPLE ANALYTES COLLECTED: VOC 8260, lead & Arsenic Method 8260 6010

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH4: %LEL:

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW22D
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME:
ADDRESS:
CONTACT:
PROJECT NUMBER: SBI066
TELEPHONE:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: Good
GROUND SURFACE ELEVATON:
TOTAL DEPTH (FROM GROUND SURFACE):
SCREENED INTERVAL (INCLUDING SAND PACK):
SCREENED FORMATION:
CASING MATERIAL/DIAMETER: PVC 2"
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Cloudy
BAROMETRIC PRESSURE:
WIND DIRECTION: SE 10-15
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Ryan Sievers
MEASURED TOTAL DEPTH (FROM TOC): 37.75
VOLUME OF STATIC WATER:
STATIC WATER LEVEL (FROM TOC): 16.22
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 11/17/11
PURGING METHOD: Low Flow 2" QED Bladder
PURGING RATE: <100 ml/min
TIME OF PURGING: 1155
VOLUME PURGED: .25

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final	
Time	1155	1159	1203	1207	1211	1215	1219	
pH (0.1)	7.31	7.30	7.28	7.27	7.27	7.26	7.26	
Temp. (3%)	15.72	15.81	15.66	15.65	15.67	15.69	15.68	
Spec. Cond. (3%)	0.936	0.933	0.932	0.942	0.944	0.943	0.944	mS/cm
Corr. Cond.								
Redox Pot. (10)	-53	-54	-50	-49	-47	-44	-43	
D.O. (10%)	7.31	7.21	7.35	7.40	7.16	6.96	6.93	
Turbidity (10%)	133	128	124	127	133	135	133	
Water Level*								

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE

Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/17/11 1220
SAMPLING METHOD: Low Flow
FIELD FILTERED ____ YES X NO
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING): 16.22
IF YES SIZE OF FILTER

SAMPLE ANALYTES COLLECTED VOC 8260, Lead & Arsenic Method 8260 6010
Collected Field Duplicate

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH4: %LEL:

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW23S
DETECTION: _____
ASSESSMENT: _____

FACILITY INFORMATION

NAME: _____
ADDRESS: _____
CONTACT: _____
PROJECT NUMBER: SBI066
TELEPHONE: _____

MONITORING WELL DATA

COORDINATES: _____ N _____ E
CONDITION OF WELL: _____
GROUND SURFACE ELEVATON: _____
TOTAL DEPTH (FROM GROUND SURFACE): _____
SCREENED INTERVAL (INCLUDING SAND PACK): _____
SCREENED FORMATION: _____
CASING MATERIAL/DIAMETER: _____
TOP OF CASING ELEVATION: _____
TOTAL DEPTH (FROM TOP OF CASING): _____
SCREENED DEPTH (SCREEN ONLY): _____

WEATHER CONDITIONS

WEATHER: Cloudy
BAROMETRIC PRESSURE: _____
WIND DIRECTION: SE to 20
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Ryan Sievers
MEASURED TOTAL DEPTH (FROM TOC): 19.95
VOLUME OF STATIC WATER: _____
STATIC WATER LEVEL (FROM TOC): 13.53
GROUNDWATER ELEVATION: _____

PURGING DATA

DATE OF PURGING: 11/17/11
PURGING METHOD: Low Flow
PURGING RATE: <100 ml/min
TIME OF PURGING: 1328
VOLUME PURGED: .25

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final	
Time	1328	1332	1336	1340	1344	1348	1352	
pH (0.1)	7.17	7.17	7.15	7.14	7.15	7.15	7.14	
Temp. (3%)	14.26	14.41	14.65	14.68	14.66	14.65	14.67	
Spec. Cond. (3%)	1.24	1.24	1.25	1.25	1.25	1.25	1.25	mS/cm
Corr. Cond.								
Redox Pot. (10)	-81	-77	-76			-107	-109	
D.O. (10%)	1.22	1.24	1.25	1.25	1.26	1.26	1.35	
Turbidity (10%)							103	
Water Level*	13.53						13.53	

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE

Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/17/11 1355
SAMPLING METHOD: Low Flow
FIELD FILTERED _____ YES X NO
SAMPLING RATE (IF USING DEDICATED PUMP): <100ml/min
STATIC WATER LEVEL (AFTER SAMPLING): 13.53
IF YES SIZE OF FILTER _____

SAMPLE ANALYTES COLLECTED VOCs 8260 & Arsenic & Lead Method 846 6010

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH4: _____ %LEL: _____

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW23D
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME:
ADDRESS:
CONTACT:
PROJECT NUMBER: SBI066
TELEPHONE:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: Good
GROUND SURFACE ELEVATON:
TOTAL DEPTH (FROM GROUND SURFACE):
SCREENED INTERVAL (INCLUDING SAND PACK):
SCREENED FORMATION:
CASING MATERIAL/DIAMETER: PVC 2"
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Cloudy
BAROMETRIC PRESSURE:
WIND DIRECTION: SE 10-15
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Ryan Sievers
MEASURED TOTAL DEPTH (FROM TOC): 34.71
VOLUME OF STATIC WATER:
STATIC WATER LEVEL (FROM TOC): 13.52
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 11/17/11
PURGING METHOD: Low Flow
PURGING RATE: <100 ml/min
TIME OF PURGING: 1250
VOLUME PURGED: .25

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final	
Time	1250	1254	1258	1302	1306	1310	1310	
pH (0.1)	7.14	7.11	7.12	7.14	7.14	7.14	7.14	
Temp. (3%)	14.42	14.45	14.46	14.45	14.41	14.39	14.37	
Spec. Cond. (3%)	1.15	1.16	1.16	1.16	1.16	1.16	1.16	ms/cm
Corr. Cond.								
Redox Pot. (10)	-60			-59		-61	-61	
D.O. (10%)	4.48			3.78		3.65	3.65	
Turbidity (10%)	125			234		258	258	
Water Level*	13.52						13.52	

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE

Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/17/11 1315
SAMPLING METHOD:
FIELD FILTERED _____ YES X NO
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING): 13.52
IF YES SIZE OF FILTER _____

SAMPLE ANALYTES COLLECTED: VOCs 8260 Lead & Arsenic Method 846 6010
MS/MSD

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH4: %LEL:

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW24
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME:
ADDRESS:
CONTACT:
PROJECT NUMBER: SBI066
TELEPHONE:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: good
GROUND SURFACE ELEVATON:
TOTAL DEPTH (FROM GROUND SURFACE):
SCREENED INTERVAL (INCLUDING SAND PACK):
SCREENED FORMATION:
CASING MATERIAL/DIAMETER: PVC 2"
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Cloudy
BAROMETRIC PRESSURE:
WIND DIRECTION: 10-15 SE
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Ryan Sievers
MEASURED TOTAL DEPTH (FROM TOC): 26.00
VOLUME OF STATIC WATER:
STATIC WATER LEVEL (FROM TOC): 21.82
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 11/17/11
PURGING METHOD: Low Flow
PURGING RATE: <100 ml/min
TIME OF PURGING: 1610
VOLUME PURGED: .25

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time	1610	1614	1618	1622	1626	1630	1634
pH (0.1)	7.27	7.28	7.27	7.27	7.26	7.26	7.26
Temp. (3%)	14.66	15.05	14.82	14.15	14.08	14.11	14.00
Spec. Cond. (3%)	1.28	1.28	1.28	1.28	1.28	1.28	1.28
Corr. Cond.							
Redox Pot. (10)							
D.O. (10%)							
Turbidity (10%)							
Water Level*	21.82						21.82

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE

Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/17/11 1635
SAMPLING METHOD:
FIELD FILTERED ____ YES X NO
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING): 21.82
IF YES SIZE OF FILTER ____

SAMPLE ANALYTES COLLECTED: 8260, lead & Arsenic

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH4: %LEL:

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW26S
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME:
ADDRESS:
CONTACT:
PROJECT NUMBER: SBI066
TELEPHONE:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: Good
GROUND SURFACE ELEVATON:
TOTAL DEPTH (FROM GROUND SURFACE):
SCREENED INTERVAL (INCLUDING SAND PACK):
SCREENED FORMATION:
CASING MATERIAL/DIAMETER: PVC 2"
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Cloudy
BAROMETRIC PRESSURE:
WIND DIRECTION: SE 10-20
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Ryan Sievers
MEASURED TOTAL DEPTH (FROM TOC): 23.88
VOLUME OF STATIC WATER:
STATIC WATER LEVEL (FROM TOC): 19.41
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 11/17/11
PURGING METHOD: Low Flow
PURGING RATE: <100ml/min
TIME OF PURGING: 1430
VOLUME PURGED: .25

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time	1430	1434	1438	1442	1446	1450	1454
pH (0.1)	7.04	6.99	6.97	6.97	6.98	6.98	6.98
Temp. (3%)	15.33	15.45	14.98	14.55	14.52	14.48	14.48
Spec. Cond. (3%)	0.993	0.997	0.997	0.997	0.997	0.997	0.997
Corr. Cond.							
Redox Pot. (10)							
D.O. (10%)							
Turbidity (10%)							
Water Level*	19.41						19.41

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE

Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/17/11 1455
SAMPLING METHOD:
FIELD FILTERED _____ YES X NO
SAMPLING RATE (IF USING DEDICATED PUMP): <100ml/min
STATIC WATER LEVEL (AFTER SAMPLING):
IF YES SIZE OF FILTER _____

SAMPLE ANALYTES COLLECTED: 8260, Lead + Arsenic

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH: %LEL:

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW26D
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME:
ADDRESS:
CONTACT:
PROJECT NUMBER: SBI066
TELEPHONE:

MONITORING WELL DATA

COORDINATES: N / E
CONDITION OF WELL: good
GROUND SURFACE ELEVATON:
CASING MATERIAL/DIAMETER: 2" pvc
TOTAL DEPTH (FROM GROUND SURFACE):
TOP OF CASING ELEVATION:
SCREENED INTERVAL (INCLUDING SAND PACK):
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED FORMATION:
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Cloudy
WIND DIRECTION: SE 10-20
BAROMETRIC PRESSURE:
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Ryan Sievers
MEASURED TOTAL DEPTH (FROM TOC): 38.70
STATIC WATER LEVEL (FROM TOC): 19.22
VOLUME OF STATIC WATER:
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 11/17/11
PURGING METHOD: Low-Flow
PURGING RATE: <100ml/min
TIME OF PURGING: 1515
VOLUME PURGED: .85

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time	1515	1519	1523	1527	1531	1535	1539
pH (0.1)	6.98	6.98	6.99	6.99	6.99	7.00	7.00
Temp. (3%)	15.36	15.28	14.95	15.12	14.98	14.94	14.96
Spec. Cond. (3%)	0.969	0.969	0.969	0.968	0.968	0.968	0.968
Corr. Cond.							
Redox Pot. (10)							
D.O. (10%)							
Turbidity (10%)							
Water Level*	19.22						19.22

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE

Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/17/11 1540
SAMPLING METHOD:
FIELD FILTERED ____ YES X NO
SAMPLING RATE (IF USING DEDICATED PUMP): <100ml/min
STATIC WATER LEVEL (AFTER SAMPLING):
IF YES SIZE OF FILTER

SAMPLE ANALYTES COLLECTED: 8260, Lead & Arsenic

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH: %LEL:

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW20s
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME:
ADDRESS:
CONTACT:
PROJECT NUMBER: SBI066
TELEPHONE:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL:
GROUND SURFACE ELEVATON:
TOTAL DEPTH (FROM GROUND SURFACE):
SCREENED INTERVAL (INCLUDING SAND PACK):
SCREENED FORMATION:
CASING MATERIAL/DIAMETER:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Sunny
BAROMETRIC PRESSURE:
WIND DIRECTION: E 10-15
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Ryan Sievers
MEASURED TOTAL DEPTH (FROM TOC): 21.95
VOLUME OF STATIC WATER:
STATIC WATER LEVEL (FROM TOC): 16.66
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 11/18/11
PURGING METHOD: Low Flow
PURGING RATE: <100 ml/min
TIME OF PURGING: 1125
VOLUME PURGED: .25

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time	1125	1129	1133	1137	1141	1145	1149
pH (0.1)	6.90	6.89	6.89	6.88	6.88	6.87	6.87
Temp. (3%)	14.58	14.67	14.66	14.60	14.62	14.63	14.63
Spec. Cond. (3%)	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Corr. Cond.							
Redox Pot. (10)							
D.O. (10%)							
Turbidity (10%)							
Water Level*	16.66						16.66

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE

Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/18/11 1150
SAMPLING METHOD:
FIELD FILTERED ____ YES X NO
SAMPLING RATE (IF USING DEDICATED PUMP): <100ml/min
STATIC WATER LEVEL (AFTER SAMPLING): 16.66
IF YES SIZE OF FILTER ____

SAMPLE ANALYTES COLLECTED: 8260, Lead & Arsenic

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH4: %LEL:

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW 20D
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME:
ADDRESS:
CONTACT:
PROJECT NUMBER: SBI066
TELEPHONE:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL:
GROUND SURFACE ELEVATON:
TOTAL DEPTH (FROM GROUND SURFACE):
SCREENED INTERVAL (INCLUDING SAND PACK):
SCREENED FORMATION:
CASING MATERIAL/DIAMETER:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Sunny
BAROMETRIC PRESSURE:
WIND DIRECTION: 10-15 E
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Ryan Sievers
MEASURED TOTAL DEPTH (FROM TOC): 36.20
VOLUME OF STATIC WATER:
STATIC WATER LEVEL (FROM TOC): 14.22
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 11/18/11
PURGING METHOD: Low Flow
PURGING RATE: 500ml/min
TIME OF PURGING: 1210
VOLUME PURGED: 125

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time	1210	1214	1218	1222	1226	1230	1234
pH (0.1)	6.92	6.90	6.90	6.88	6.87	6.87	6.87
Temp. (3%)	14.8	14.88	14.63	14.55	14.63	14.58	14.56
Spec. Cond. (3%)	1.02	1.04	1.05	1.06	1.06	1.06	1.06
Corr. Cond.							
Redox Pot. (10)							
D.O. (10%)							
Turbidity (10%)							
Water Level*	14.22						14.22

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE

Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/18/11 1235
SAMPLING METHOD:
FIELD FILTERED _____ YES ___X___ NO
SAMPLING RATE (IF USING DEDICATED PUMP): 500ml/min
STATIC WATER LEVEL (AFTER SAMPLING): 14.22
IF YES SIZE OF FILTER _____
SAMPLE ANALYTES COLLECTED 8260, Lead & Arsenic

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH4: %LEL:

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW-2S
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME:
ADDRESS:
CONTACT:
PROJECT NUMBER: SBI066
TELEPHONE:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL:
GROUND SURFACE ELEVATON:
TOTAL DEPTH (FROM GROUND SURFACE):
SCREENED INTERVAL (INCLUDING SAND PACK):
SCREENED FORMATION:
CASING MATERIAL/DIAMETER:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Sunny
BAROMETRIC PRESSURE:
WIND DIRECTION: E 5-10
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Ryan Sievers
MEASURED TOTAL DEPTH (FROM TOC): 22.64
VOLUME OF STATIC WATER:
STATIC WATER LEVEL (FROM TOC): 18.70
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 11/18/11
PURGING METHOD: Low-Flow QED 2" Bladder
PURGING RATE: 500ml/min
TIME OF PURGING: 900
VOLUME PURGED: .25

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time	900	904	908	912	916	920	924
pH (0.1)	7.43	7.56	7.50	7.13	7.12	7.12	7.12
Temp. (3%)	12.71	12.72	12.77	12.79	12.81	12.84	12.84
Spec. Cond. (3%)	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Corr. Cond.							
Redox Pot. (10)							
D.O. (10%)							
Turbidity (10%)							
Water Level*	18.70						18.70

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE

Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/18/11 925
SAMPLING METHOD: Low Flow
FIELD FILTERED _____ YES X NO
SAMPLING RATE (IF USING DEDICATED PUMP): 100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING): 18.70
IF YES SIZE OF FILTER _____
SAMPLE ANALYTES COLLECTED: VOCs 8260, Lead & Arsenic method 846 6010
MS/MSD

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH4: %LEL:

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW-1D
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME:
ADDRESS:
CONTACT:
PROJECT NUMBER: SBI066
TELEPHONE:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL:
GROUND SURFACE ELEVATON:
TOTAL DEPTH (FROM GROUND SURFACE):
SCREENED INTERVAL (INCLUDING SAND PACK):
SCREENED FORMATION:
CASING MATERIAL/DIAMETER:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Sunny
BAROMETRIC PRESSURE:
WIND DIRECTION: 5-10 East
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Rjen Sievers
MEASURED TOTAL DEPTH (FROM TOC): 37.30
VOLUME OF STATIC WATER:
STATIC WATER LEVEL (FROM TOC): 18.34
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 11/18/11
PURGING METHOD: Low-Flow QED Bladder
PURGING RATE: <100 ml/min
TIME OF PURGING: 826
VOLUME PURGED: .50

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time	826	830	834	838	842	846	850
pH (0.1)	6.90	6.91	6.92	6.91	6.91	6.90	6.90
Temp. (3%)	14.43	14.42	14.42	14.43	14.44	14.42	14.43
Spec. Cond. (3%)	1.22	1.22	1.21	1.20	1.19	1.20	1.19
Corr. Cond.							
Redox Pot. (10)							-24
D.O. (10%)	2.12	2.13	2.13	2.12	2.14	2.12	2.13
Turbidity (10%)							
Water Level*	18.34						18.34

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE

Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/18/11 850
SAMPLING METHOD: Low Flow
FIELD FILTERED ____ YES X NO
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING):
IF YES SIZE OF FILTER

SAMPLE ANALYTES COLLECTED: 8260 ; Lead & Arsenic Method 846 6010
Field Dup

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH4: %LEL:

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW25S
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME:
ADDRESS:
CONTACT:
PROJECT NUMBER: SBI066
TELEPHONE:

MONITORING WELL DATA

COORDINATES: N / E
CONDITION OF WELL:
GROUND SURFACE ELEVATON:
CASING MATERIAL/DIAMETER:
TOTAL DEPTH (FROM GROUND SURFACE):
TOP OF CASING ELEVATION:
SCREENED INTERVAL (INCLUDING SAND PACK):
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED FORMATION:
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: SUNNY
WIND DIRECTION: 10-15 E
BAROMETRIC PRESSURE:
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Ryan Sievers
MEASURED TOTAL DEPTH (FROM TOC): 23.70
STATIC WATER LEVEL (FROM TOC): 18.93
VOLUME OF STATIC WATER:
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 11/18/11
PURGING METHOD: Low Flow
PURGING RATE: <100ml/min
TIME OF PURGING: 955
VOLUME PURGED: .25

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time	955	959	1003	1007	1011	1015	1019
pH (0.1)	6.96	6.93	6.91	6.91	6.90	6.90	6.90
Temp. (3%)	14.30	14.38	14.60	14.65	14.68	14.68	14.66
Spec. Cond. (3%)	1.15	1.14	1.14	1.13	1.13	1.13	1.13
Corr. Cond.							
Redox Pot. (10)							
D.O. (10%)							
Turbidity (10%)							
Water Level*	18.93						18.93

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE

Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/18/11 1620
SAMPLING RATE (IF USING DEDICATED PUMP): <100ml/min
SAMPLING METHOD: Low Flow
STATIC WATER LEVEL (AFTER SAMPLING): 18.93
FIELD FILTERED _____ YES X NO
IF YES SIZE OF FILTER _____

SAMPLE ANALYTES COLLECTED 8260B, Lead & Arsenic

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH4: %LEL:

Hull & associates, inc.

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW25D
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME:
ADDRESS:
CONTACT:
PROJECT NUMBER: SB1066
TELEPHONE:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: Good
GROUND SURFACE ELEVATON:
TOTAL DEPTH (FROM GROUND SURFACE):
SCREENED INTERVAL (INCLUDING SAND PACK):
SCREENED FORMATION:
CASING MATERIAL/DIAMETER: PVC 2"
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Sunny
BAROMETRIC PRESSURE:
WIND DIRECTION: 10-15 E
TEMPERATURE (°F): 40's

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Ryan Sievers
MEASURED TOTAL DEPTH (FROM TOC): 38.70
STATIC WATER LEVEL (FROM TOC): 18.95
VOLUME OF STATIC WATER:
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 11/18/11
PURGING METHOD: Low Flow
PURGING RATE: ~100ml/min
TIME OF PURGING: 1035
VOLUME PURGED: .25

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time	1035	1039	1043	1047	1051	1055	1059
pH (0.1)	7.05	7.01	6.98	6.96	6.96	6.96	6.95
Temp. (3%)	14.88	14.92	14.89	14.80	14.78	14.79	14.76
Spec. Cond. (3%)							6.971
Corr. Cond.							
Redox Pot. (10)							
D.O. (10%)							
Turbidity (10%)							
Water Level*	18.95						18.95

* measurement from top of casing

VOLUME TO PURGE CALCULATION TABLE				
Well casing Diameter (in.)	Gallons Per Foot of Depth	Feet of Standing Water	3 Well Volumes	Total Volume to Purge (Gal.)
1	0.041	X	X 3	
2	0.163	X	X 3	
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 11/18/11 1105
SAMPLING METHOD:
FIELD FILTERED _____ YES X NO
SAMPLING RATE (IF USING DEDICATED PUMP): <100ml/min
STATIC WATER LEVEL (AFTER SAMPLING): 18.95
IF YES SIZE OF FILTER _____

SAMPLE ANALYTES COLLECTED 8260, Lead & Arsenic

NOTES

EXPLOSIVE GAS READING PRIOR TO STATIC WATER LEVEL: %CH4: %LEL:

APPENDIX C

Laboratory Analytical Reports

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

November 08, 2011

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

RE: Project: SBI066
Pace Project No.: 5054365

Dear Mr. Stuart:
Enclosed are the analytical results for sample(s) received by the laboratory on November 03, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP: CL0065
West Virginia Certification #: 330

Enclosures

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE SUMMARY

Project: SBI066
Pace Project No.: 5054365

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5054365001	**SBI066:TB-1S:G110211**	Water	11/02/11 10:33	11/03/11 10:48
5054365002	**SBI066:TB-1D:G110211**	Water	11/02/11 11:33	11/03/11 10:48
5054365003	**SBI066:TB-2D:G110211**	Water	11/02/11 14:39	11/03/11 10:48
5054365004	**SBI066:TB-2S:G110211**	Water	11/02/11 15:27	11/03/11 10:48
5054365005	**SBI066:TB-2S:G110211A**	Water	11/02/11 15:27	11/03/11 10:48
5054365006	**SBI066:Trip Blank:W110211**	Water	11/02/11 16:00	11/03/11 10:48
5054365007	**SBI066:EQ-1:W110211**	Water	11/02/11 16:00	11/03/11 10:48

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE ANALYTE COUNT

Project: SBI066
Pace Project No.: 5054365

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5054365001	**SBI066:TB-1S:G110211**	EPA 8260	RSW	73
5054365002	**SBI066:TB-1D:G110211**	EPA 8260	RSW	73
5054365003	**SBI066:TB-2D:G110211**	EPA 8260	RSW	73
5054365004	**SBI066:TB-2S:G110211**	EPA 8260	RSW	73
5054365005	**SBI066:TB-2S:G110211A**	EPA 8260	RSW	73
5054365006	**SBI066:Trip Blank:W110211**	EPA 8260	RSW	73
5054365007	**SBI066:EQ-1:W110211**	EPA 8260	RSW	73

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:TB-1S:G110211 **Lab ID: 5054365001** Collected: 11/02/11 10:33 Received: 11/03/11 10:48 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		11/04/11 15:46	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 15:46	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 15:46	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 15:46	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 15:46	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 15:46	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 15:46	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 15:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 15:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 15:46	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 15:46	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 15:46	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 15:46	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 15:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 15:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 15:46	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 15:46	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 15:46	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 15:46	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 15:46	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 15:46	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 15:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 15:46	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 15:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 15:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 15:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 15:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 15:46	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 15:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 15:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 15:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 15:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 15:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 15:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 15:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 15:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 15:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 15:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 15:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 15:46	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 15:46	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 15:46	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 15:46	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 15:46	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 15:46	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 15:46	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 15:46	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:TB-1S:G110211 **Lab ID: 5054365001** Collected: 11/02/11 10:33 Received: 11/03/11 10:48 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		11/04/11 15:46	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 15:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 15:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 15:46	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 15:46	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 15:46	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 15:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 15:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 15:46	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 15:46	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 15:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 15:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 15:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 15:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 15:46	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 15:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 15:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 15:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 15:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 15:46	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 15:46	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 15:46	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 15:46	1330-20-7	
Dibromofluoromethane (S)	100	%	83-123	1		11/04/11 15:46	1868-53-7	
4-Bromofluorobenzene (S)	102	%	72-125	1		11/04/11 15:46	460-00-4	
Toluene-d8 (S)	99	%	81-114	1		11/04/11 15:46	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:TB-1D:G110211 **Lab ID: 5054365002** Collected: 11/02/11 11:33 Received: 11/03/11 10:48 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		11/04/11 17:32	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 17:32	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 17:32	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 17:32	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 17:32	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 17:32	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 17:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 17:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 17:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 17:32	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 17:32	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 17:32	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 17:32	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 17:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 17:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 17:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 17:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 17:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 17:32	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 17:32	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 17:32	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 17:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 17:32	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 17:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 17:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 17:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 17:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 17:32	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 17:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 17:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 17:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 17:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 17:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 17:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 17:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 17:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 17:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 17:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 17:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 17:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 17:32	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 17:32	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 17:32	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 17:32	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 17:32	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 17:32	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 17:32	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:TB-1D:G110211 **Lab ID: 5054365002** Collected: 11/02/11 11:33 Received: 11/03/11 10:48 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		11/04/11 17:32	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 17:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 17:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 17:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 17:32	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 17:32	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 17:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 17:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 17:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 17:32	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 17:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 17:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 17:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 17:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 17:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 17:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 17:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 17:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 17:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 17:32	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 17:32	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 17:32	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 17:32	1330-20-7	
Dibromofluoromethane (S)	97	%	83-123	1		11/04/11 17:32	1868-53-7	
4-Bromofluorobenzene (S)	107	%	72-125	1		11/04/11 17:32	460-00-4	
Toluene-d8 (S)	103	%	81-114	1		11/04/11 17:32	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:TB-2D:G110211 **Lab ID: 5054365003** Collected: 11/02/11 14:39 Received: 11/03/11 10:48 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		11/04/11 18:07	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 18:07	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 18:07	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 18:07	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 18:07	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 18:07	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 18:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 18:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 18:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 18:07	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 18:07	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 18:07	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 18:07	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 18:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 18:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 18:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 18:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 18:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 18:07	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 18:07	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 18:07	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 18:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 18:07	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 18:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 18:07	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 18:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 18:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 18:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 18:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 18:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 18:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 18:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 18:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 18:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 18:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 18:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 18:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 18:07	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 18:07	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 18:07	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 18:07	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 18:07	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 18:07	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 18:07	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:TB-2D:G110211 **Lab ID: 5054365003** Collected: 11/02/11 14:39 Received: 11/03/11 10:48 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		11/04/11 18:07	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 18:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 18:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 18:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 18:07	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 18:07	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 18:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 18:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 18:07	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 18:07	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 18:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 18:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 18:07	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 18:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 18:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 18:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 18:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 18:07	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 18:07	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 18:07	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 18:07	1330-20-7	
Dibromofluoromethane (S)	95	%	83-123	1		11/04/11 18:07	1868-53-7	
4-Bromofluorobenzene (S)	102	%	72-125	1		11/04/11 18:07	460-00-4	
Toluene-d8 (S)	100	%	81-114	1		11/04/11 18:07	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:TB-2S:G110211 **Lab ID: 5054365004** Collected: 11/02/11 15:27 Received: 11/03/11 10:48 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		11/04/11 18:43	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 18:43	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 18:43	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 18:43	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 18:43	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 18:43	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 18:43	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 18:43	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 18:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 18:43	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 18:43	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 18:43	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 18:43	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 18:43	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 18:43	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 18:43	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 18:43	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 18:43	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 18:43	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 18:43	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 18:43	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 18:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 18:43	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 18:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 18:43	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 18:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 18:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 18:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 18:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 18:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 18:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 18:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 18:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 18:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 18:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 18:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 18:43	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 18:43	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 18:43	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 18:43	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 18:43	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 18:43	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 18:43	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 18:43	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:TB-2S:G110211 **Lab ID: 5054365004** Collected: 11/02/11 15:27 Received: 11/03/11 10:48 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		11/04/11 18:43	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 18:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 18:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 18:43	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 18:43	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 18:43	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 18:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 18:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 18:43	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 18:43	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 18:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 18:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 18:43	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 18:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 18:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 18:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 18:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 18:43	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 18:43	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 18:43	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 18:43	1330-20-7	
Dibromofluoromethane (S)	97	%	83-123	1		11/04/11 18:43	1868-53-7	
4-Bromofluorobenzene (S)	110	%	72-125	1		11/04/11 18:43	460-00-4	
Toluene-d8 (S)	104	%	81-114	1		11/04/11 18:43	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:TB-2S:G110211A **Lab ID: 5054365005** Collected: 11/02/11 15:27 Received: 11/03/11 10:48 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		11/04/11 19:17	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 19:17	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 19:17	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 19:17	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 19:17	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 19:17	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 19:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 19:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 19:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 19:17	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 19:17	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 19:17	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 19:17	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 19:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 19:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 19:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 19:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 19:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 19:17	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 19:17	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 19:17	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 19:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 19:17	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 19:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 19:17	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 19:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 19:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 19:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 19:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 19:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 19:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 19:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 19:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 19:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 19:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 19:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 19:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 19:17	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 19:17	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 19:17	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 19:17	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 19:17	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 19:17	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 19:17	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:TB-2S:G110211A **Lab ID: 5054365005** Collected: 11/02/11 15:27 Received: 11/03/11 10:48 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		11/04/11 19:17	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 19:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 19:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 19:17	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 19:17	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 19:17	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 19:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 19:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 19:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 19:17	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 19:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 19:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 19:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 19:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 19:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 19:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 19:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 19:17	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 19:17	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 19:17	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 19:17	1330-20-7	
Dibromofluoromethane (S)	101	%	83-123	1		11/04/11 19:17	1868-53-7	
4-Bromofluorobenzene (S)	101	%	72-125	1		11/04/11 19:17	460-00-4	
Toluene-d8 (S)	99	%	81-114	1		11/04/11 19:17	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:Trip Blank:W110211 **Lab ID: 5054365006** Collected: 11/02/11 16:00 Received: 11/03/11 10:48 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		11/04/11 19:50	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 19:50	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 19:50	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 19:50	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 19:50	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 19:50	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 19:50	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 19:50	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 19:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 19:50	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 19:50	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 19:50	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 19:50	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 19:50	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 19:50	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 19:50	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 19:50	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 19:50	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 19:50	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 19:50	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 19:50	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 19:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 19:50	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 19:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 19:50	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 19:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 19:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 19:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 19:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 19:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 19:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 19:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 19:50	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 19:50	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 19:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 19:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 19:50	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 19:50	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 19:50	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 19:50	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 19:50	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 19:50	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 19:50	74-88-4	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:Trip Blank:W110211 **Lab ID: 5054365006** Collected: 11/02/11 16:00 Received: 11/03/11 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 19:50	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/04/11 19:50	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 19:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 19:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 19:50	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 19:50	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 19:50	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 19:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 19:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 19:50	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 19:50	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 19:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 19:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 19:50	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 19:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 19:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 19:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 19:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 19:50	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 19:50	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 19:50	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 19:50	1330-20-7	
Dibromofluoromethane (S)	103	%	83-123	1		11/04/11 19:50	1868-53-7	
4-Bromofluorobenzene (S)	113	%	72-125	1		11/04/11 19:50	460-00-4	
Toluene-d8 (S)	113	%	81-114	1		11/04/11 19:50	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:EQ-1:W110211 **Lab ID: 5054365007** Collected: 11/02/11 16:00 Received: 11/03/11 10:48 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		11/04/11 20:24	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 20:24	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 20:24	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 20:24	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 20:24	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 20:24	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 20:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 20:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 20:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 20:24	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 20:24	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 20:24	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 20:24	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 20:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 20:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 20:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 20:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 20:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 20:24	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 20:24	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 20:24	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 20:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 20:24	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 20:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 20:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 20:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 20:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 20:24	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 20:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 20:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 20:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 20:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 20:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 20:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 20:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 20:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 20:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 20:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 20:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 20:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 20:24	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 20:24	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 20:24	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 20:24	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 20:24	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 20:24	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 20:24	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054365

Sample: SBI066:EQ-1:W110211 **Lab ID: 5054365007** Collected: 11/02/11 16:00 Received: 11/03/11 10:48 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		11/04/11 20:24	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 20:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 20:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 20:24	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 20:24	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 20:24	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 20:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 20:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 20:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 20:24	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 20:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 20:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 20:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 20:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 20:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 20:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 20:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 20:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 20:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 20:24	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 20:24	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 20:24	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 20:24	1330-20-7	
Dibromofluoromethane (S)	100	%	83-123	1		11/04/11 20:24	1868-53-7	
4-Bromofluorobenzene (S)	103	%	72-125	1		11/04/11 20:24	460-00-4	
Toluene-d8 (S)	95	%	81-114	1		11/04/11 20:24	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5054365

QC Batch: MSV/37142 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5054365001, 5054365002, 5054365003, 5054365004, 5054365005, 5054365006, 5054365007

METHOD BLANK: 644952 Matrix: Water
Associated Lab Samples: 5054365001, 5054365002, 5054365003, 5054365004, 5054365005, 5054365006, 5054365007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/04/11 12:52	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/04/11 12:52	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/04/11 12:52	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/04/11 12:52	
1,1-Dichloroethane	ug/L	ND	5.0	11/04/11 12:52	
1,1-Dichloroethene	ug/L	ND	5.0	11/04/11 12:52	
1,1-Dichloropropene	ug/L	ND	5.0	11/04/11 12:52	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/04/11 12:52	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/04/11 12:52	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/04/11 12:52	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/04/11 12:52	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/04/11 12:52	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/04/11 12:52	
1,2-Dichloroethane	ug/L	ND	5.0	11/04/11 12:52	
1,2-Dichloropropane	ug/L	ND	5.0	11/04/11 12:52	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/04/11 12:52	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/04/11 12:52	
1,3-Dichloropropane	ug/L	ND	5.0	11/04/11 12:52	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/04/11 12:52	
2,2-Dichloropropane	ug/L	ND	5.0	11/04/11 12:52	
2-Butanone (MEK)	ug/L	ND	25.0	11/04/11 12:52	
2-Chlorotoluene	ug/L	ND	5.0	11/04/11 12:52	
2-Hexanone	ug/L	ND	25.0	11/04/11 12:52	
4-Chlorotoluene	ug/L	ND	5.0	11/04/11 12:52	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/04/11 12:52	
Acetone	ug/L	ND	100	11/04/11 12:52	
Acrolein	ug/L	ND	100	11/04/11 12:52	
Acrylonitrile	ug/L	ND	100	11/04/11 12:52	
Benzene	ug/L	ND	5.0	11/04/11 12:52	
Bromobenzene	ug/L	ND	5.0	11/04/11 12:52	
Bromochloromethane	ug/L	ND	5.0	11/04/11 12:52	
Bromodichloromethane	ug/L	ND	5.0	11/04/11 12:52	
Bromoform	ug/L	ND	5.0	11/04/11 12:52	
Bromomethane	ug/L	ND	5.0	11/04/11 12:52	
Carbon disulfide	ug/L	ND	10.0	11/04/11 12:52	
Carbon tetrachloride	ug/L	ND	5.0	11/04/11 12:52	
Chlorobenzene	ug/L	ND	5.0	11/04/11 12:52	
Chloroethane	ug/L	ND	5.0	11/04/11 12:52	
Chloroform	ug/L	ND	5.0	11/04/11 12:52	
Chloromethane	ug/L	ND	5.0	11/04/11 12:52	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/04/11 12:52	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/04/11 12:52	
Dibromochloromethane	ug/L	ND	5.0	11/04/11 12:52	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5054365

METHOD BLANK: 644952 Matrix: Water

Associated Lab Samples: 5054365001, 5054365002, 5054365003, 5054365004, 5054365005, 5054365006, 5054365007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	5.0	11/04/11 12:52	
Dichlorodifluoromethane	ug/L	ND	5.0	11/04/11 12:52	
Ethyl methacrylate	ug/L	ND	100	11/04/11 12:52	
Ethylbenzene	ug/L	ND	5.0	11/04/11 12:52	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/04/11 12:52	
Iodomethane	ug/L	ND	10.0	11/04/11 12:52	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/04/11 12:52	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/04/11 12:52	
Methylene chloride	ug/L	ND	5.0	11/04/11 12:52	
n-Butylbenzene	ug/L	ND	5.0	11/04/11 12:52	
n-Hexane	ug/L	ND	5.0	11/04/11 12:52	N2
n-Propylbenzene	ug/L	ND	5.0	11/04/11 12:52	
Naphthalene	ug/L	ND	5.0	11/04/11 12:52	
p-Isopropyltoluene	ug/L	ND	5.0	11/04/11 12:52	
sec-Butylbenzene	ug/L	ND	5.0	11/04/11 12:52	
Styrene	ug/L	ND	5.0	11/04/11 12:52	
tert-Butylbenzene	ug/L	ND	5.0	11/04/11 12:52	
Tetrachloroethene	ug/L	ND	5.0	11/04/11 12:52	
Toluene	ug/L	ND	5.0	11/04/11 12:52	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/04/11 12:52	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/04/11 12:52	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/04/11 12:52	
Trichloroethene	ug/L	ND	5.0	11/04/11 12:52	
Trichlorofluoromethane	ug/L	ND	5.0	11/04/11 12:52	
Vinyl acetate	ug/L	ND	50.0	11/04/11 12:52	
Vinyl chloride	ug/L	ND	2.0	11/04/11 12:52	
Xylene (Total)	ug/L	ND	10.0	11/04/11 12:52	
4-Bromofluorobenzene (S)	%	104	72-125	11/04/11 12:52	
Dibromofluoromethane (S)	%	105	83-123	11/04/11 12:52	
Toluene-d8 (S)	%	96	81-114	11/04/11 12:52	

LABORATORY CONTROL SAMPLE: 644953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	58.2	116	69-122	
1,1,1-Trichloroethane	ug/L	50	48.5	97	69-126	
1,1,2,2-Tetrachloroethane	ug/L	50	50.4	101	68-134	
1,1,2-Trichloroethane	ug/L	50	46.8	94	77-129	
1,1-Dichloroethane	ug/L	50	50.8	102	70-127	
1,1-Dichloroethene	ug/L	50	53.0	106	75-145	
1,1-Dichloropropene	ug/L	50	47.6	95	75-126	
1,2,3-Trichlorobenzene	ug/L	50	49.8	100	63-130	
1,2,3-Trichloropropane	ug/L	100	93.9	94	45-121	
1,2,4-Trichlorobenzene	ug/L	50	52.2	104	64-122	
1,2,4-Trimethylbenzene	ug/L	50	46.2	92	68-129	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5054365

LABORATORY CONTROL SAMPLE: 644953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	46.2	92	77-123	
1,2-Dichlorobenzene	ug/L	50	48.6	97	74-123	
1,2-Dichloroethane	ug/L	50	49.7	99	71-127	
1,2-Dichloropropane	ug/L	50	48.6	97	75-126	
1,3,5-Trimethylbenzene	ug/L	50	48.3	97	69-129	
1,3-Dichlorobenzene	ug/L	50	47.0	94	76-123	
1,3-Dichloropropane	ug/L	50	43.1	86	77-126	
1,4-Dichlorobenzene	ug/L	50	48.7	97	77-121	
2,2-Dichloropropane	ug/L	50	42.3	85	45-138	
2-Butanone (MEK)	ug/L	250	326	130	42-177	
2-Chlorotoluene	ug/L	50	46.4	93	74-129	
2-Hexanone	ug/L	250	275	110	57-162	
4-Chlorotoluene	ug/L	50	50.1	100	70-125	
4-Methyl-2-pentanone (MIBK)	ug/L	250	243	97	64-135	
Acetone	ug/L	250	396	158	10-200	
Acrolein	ug/L	1000	2180	218	10-200	L3
Acrylonitrile	ug/L	1000	1140	114	59-144	
Benzene	ug/L	50	48.1	96	76-123	
Bromobenzene	ug/L	50	50.1	100	67-130	
Bromochloromethane	ug/L	50	57.7	115	58-153	
Bromodichloromethane	ug/L	50	55.2	110	71-124	
Bromoform	ug/L	50	44.1	88	64-116	
Bromomethane	ug/L	50	45.6	91	23-197	
Carbon disulfide	ug/L	100	119	119	55-146	
Carbon tetrachloride	ug/L	50	53.7	107	65-125	
Chlorobenzene	ug/L	50	47.4	95	78-120	
Chloroethane	ug/L	50	55.0	110	56-163	
Chloroform	ug/L	50	45.8	92	73-122	
Chloromethane	ug/L	50	47.1	94	46-146	
cis-1,2-Dichloroethene	ug/L	50	46.6	93	79-129	
cis-1,3-Dichloropropene	ug/L	50	48.0	96	66-123	
Dibromochloromethane	ug/L	50	42.4	85	70-123	
Dibromomethane	ug/L	50	51.5	103	73-123	
Dichlorodifluoromethane	ug/L	50	56.4	113	19-200	
Ethyl methacrylate	ug/L	200	169	84	70-127	
Ethylbenzene	ug/L	50	45.7	91	75-120	
Hexachloro-1,3-butadiene	ug/L	50	51.0	102	64-131	
Iodomethane	ug/L	100	92.3	92	16-181	
Isopropylbenzene (Cumene)	ug/L	50	45.5	91	73-123	
Methyl-tert-butyl ether	ug/L	100	104	104	66-128	
Methylene chloride	ug/L	50	58.3	117	61-138	
n-Butylbenzene	ug/L	50	50.9	102	69-130	
n-Hexane	ug/L	50	45.6	91	67-142	N2
n-Propylbenzene	ug/L	50	45.0	90	71-132	
Naphthalene	ug/L	50	50.7	101	62-130	
p-Isopropyltoluene	ug/L	50	49.3	99	71-126	
sec-Butylbenzene	ug/L	50	48.6	97	69-130	
Styrene	ug/L	50	47.6	95	75-125	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5054365

LABORATORY CONTROL SAMPLE: 644953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	46.9	94	49-114	
Tetrachloroethene	ug/L	50	42.6	85	57-125	
Toluene	ug/L	50	45.1	90	72-124	
trans-1,2-Dichloroethene	ug/L	50	52.6	105	71-145	
trans-1,3-Dichloropropene	ug/L	50	49.5	99	58-118	
trans-1,4-Dichloro-2-butene	ug/L	200	226	113	50-121	
Trichloroethene	ug/L	50	49.2	98	77-122	
Trichlorofluoromethane	ug/L	50	53.1	106	56-159	
Vinyl acetate	ug/L	200	210	105	27-119	
Vinyl chloride	ug/L	50	51.9	104	61-146	
Xylene (Total)	ug/L	150	145	97	72-126	
4-Bromofluorobenzene (S)	%			98	72-125	
Dibromofluoromethane (S)	%			100	83-123	
Toluene-d8 (S)	%			96	81-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 644956 644957

Parameter	Units	5054365001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	66.1	62.5	132	125	30-122	6	20	M0
1,1,1-Trichloroethane	ug/L	ND	50	50	57.5	56.1	115	112	37-136	2	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	62.4	59.1	125	118	47-132	6	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	60.3	57.7	121	115	53-131	4	20	
1,1-Dichloroethane	ug/L	ND	50	50	50.9	50.1	102	100	47-138	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	58.3	56.7	117	113	54-152	3	20	
1,1-Dichloropropene	ug/L	ND	50	50	56.3	58.2	113	116	47-136	3	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	58.0	54.5	116	109	15-132	6	20	
1,2,3-Trichloropropane	ug/L	ND	100	100	112	107	112	107	24-108	5	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	60.9	56.2	122	112	10-130	8	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	57.6	53.2	115	106	10-141	8	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	56.9	54.0	114	108	49-130	5	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	58.6	54.8	117	110	20-137	7	20	
1,2-Dichloroethane	ug/L	ND	50	50	59.2	61.1	118	122	42-139	3	20	
1,2-Dichloropropane	ug/L	ND	50	50	60.0	61.8	120	124	50-131	3	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	55.1	53.4	110	107	10-145	3	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	54.9	50.6	110	101	13-143	8	20	
1,3-Dichloropropane	ug/L	ND	50	50	53.9	48.1	108	96	53-130	11	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	57.0	54.1	114	108	13-140	5	20	
2,2-Dichloropropane	ug/L	ND	50	50	60.5	59.0	121	118	13-142	2	20	
2-Butanone (MEK)	ug/L	ND	250	250	304	289	122	115	43-142	5	20	
2-Chlorotoluene	ug/L	ND	50	50	55.2	55.4	110	111	15-145	.2	20	
2-Hexanone	ug/L	ND	250	250	281	267	113	107	46-139	5	20	
4-Chlorotoluene	ug/L	ND	50	50	58.6	55.4	117	111	12-143	6	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	317	280	127	112	43-140	13	20	
Acetone	ug/L	ND	250	250	184	178	74	71	38-155	4	20	
Acrolein	ug/L	ND	1000	1000	1950	1800	195	180	11-200	8	20	
Acrylonitrile	ug/L	ND	1000	1000	1190	1200	119	120	42-150	.5	20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5054365

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 644956 644957

Parameter	Units	5054365001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	57.7	59.7	115	119	52-134	3	20	
Bromobenzene	ug/L	ND	50	50	48.7	55.3	97	111	25-140	13	20	
Bromochloromethane	ug/L	ND	50	50	72.1	68.9	144	138	54-144	5	20	
Bromodichloromethane	ug/L	ND	50	50	62.2	61.5	124	123	42-128	1	20	
Bromoform	ug/L	ND	50	50	45.9	44.5	92	89	34-116	3	20	
Bromomethane	ug/L	ND	50	50	53.6	55.5	107	111	10-200	3	20	
Carbon disulfide	ug/L	ND	100	100	158	155	158	155	43-144	2	20	M0
Carbon tetrachloride	ug/L	ND	50	50	57.5	59.7	115	119	26-136	4	20	
Chlorobenzene	ug/L	ND	50	50	56.3	55.5	113	111	33-136	1	20	
Chloroethane	ug/L	ND	50	50	65.2	65.5	130	131	21-200	.4	20	
Chloroform	ug/L	ND	50	50	55.8	54.3	112	109	50-134	3	20	
Chloromethane	ug/L	ND	50	50	59.1	58.8	118	118	32-160	.5	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	58.9	59.6	118	119	48-145	1	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	60.1	55.7	120	111	35-116	8	20	
Dibromochloromethane	ug/L	ND	50	50	48.4	45.0	97	90	39-122	7	20	
Dibromomethane	ug/L	ND	50	50	61.6	62.0	123	124	49-134	.6	20	
Dichlorodifluoromethane	ug/L	ND	50	50	67.8	70.0	136	140	35-200	3	20	
Ethyl methacrylate	ug/L	ND	200	200	211	210	106	105	54-123	.7	20	
Ethylbenzene	ug/L	ND	50	50	55.0	51.8	110	103	29-132	6	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	56.5	51.6	113	103	10-146	9	20	
Iodomethane	ug/L	ND	100	100	93.3	93.3	93	93	10-171	.02	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	55.0	52.0	110	104	11-146	6	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	123	126	123	126	39-137	2	20	
Methylene chloride	ug/L	ND	50	50	57.8	59.5	116	119	47-141	3	20	
n-Butylbenzene	ug/L	ND	50	50	58.4	54.6	117	109	10-156	7	20	
n-Hexane	ug/L	ND	50	50	43.9	44.8	88	90	51-137	2	20	N2
n-Propylbenzene	ug/L	ND	50	50	54.4	49.0	109	98	10-148	11	20	
Naphthalene	ug/L	ND	50	50	61.5	58.8	123	118	40-124	4	20	
p-Isopropyltoluene	ug/L	ND	50	50	58.1	52.9	116	106	10-150	9	20	
sec-Butylbenzene	ug/L	ND	50	50	56.0	52.9	112	106	10-150	6	20	
Styrene	ug/L	ND	50	50	56.7	52.1	113	104	20-143	9	20	
tert-Butylbenzene	ug/L	ND	50	50	56.9	52.9	114	106	10-123	7	20	
Tetrachloroethene	ug/L	ND	50	50	53.9	50.1	108	100	30-124	7	20	
Toluene	ug/L	ND	50	50	56.5	52.3	113	105	42-130	8	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	55.7	57.2	111	114	48-144	3	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	59.6	56.8	119	114	24-114	5	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	264	252	132	126	22-120	5	20	M0
Trichloroethene	ug/L	ND	50	50	61.5	56.4	123	113	44-130	9	20	
Trichlorofluoromethane	ug/L	ND	50	50	57.9	58.3	116	117	17-200	.7	20	
Vinyl acetate	ug/L	ND	200	200	196	187	98	93	10-115	5	20	
Vinyl chloride	ug/L	ND	50	50	61.7	60.2	123	120	45-159	2	20	
Xylene (Total)	ug/L	ND	150	150	182	170	122	113	29-131	7	20	
4-Bromofluorobenzene (S)	%						100	96	72-125		20	
Dibromofluoromethane (S)	%						103	101	83-123		20	1d
Toluene-d8 (S)	%						99	97	81-114		20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALIFIERS

Project: SBI066
Pace Project No.: 5054365

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.

SG - Silica Gel - Clean-Up

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

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

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

ANALYTE QUALIFIERS

1d	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits for several compounds. Refer to batch QC for control. RSW 11/7/11
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.
N2	The lab does not hold TNI accreditation for this parameter.

Hull & associates, inc.

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

NO. 8667

Dublin, OH ☐
6397 Emerald Pkwy
Suite 200
Dublin, OH 43016
P: (614) 793-8777
F: (614) 793-9070

Indianapolis, IN ☐
6435 Castleway W. Dr.
Suite 119
Indianapolis, IN 46250
P: (800) 241-7173
F: (614) 793-9070

Mason, OH ☐
4770 Duke Dr.
Suite 300
Mason, OH 45040
P: (513) 459-9677
F: (513) 459-9869

Bedford, OH ☐
4 Hemisphere Way
Bedford, OH 44146
P: (440) 232-9945
F: (440) 232-9946

Toledo, OH ☐
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
P: (419) 385-2018
F: (419) 385-5487

Pittsburgh, PA ☐
300 Business Center Dr.
Suite 320
Pittsburgh, PA 15205
P: (412) 446-0315
F: (412) 446-0324

REPORT TO: Doug Stuart

Client: City of South Bend
Site: Olive Plow
Project #: SB1066 Phase:
Samplers: Luke Wright

SAMPLE TYPES	PRESERVATIVES		METALS
A - AIR	A - Cool only, <4 deg. C	H - EDTA	F - Filtered
C - ASBESTOS	B - HNO_3 pH<2	I - 5ml 1:1 HCL	N - Not filtered
D - SEDIMENT	C - H_2SO_4 pH<2	J - None	B - Both
G - GROUNDWATER	D - NaOH pH>12	K - Stored in dark	
P - PRODUCT	E - ZnAcetate + NaOH, pH>9	L - NH_4Cl	
S - SOIL	F - $Na_2S_2O_3$ (0.008%)	M - Methanol	
W - WATER	G - HCL pH <2	S - Sodium bisulfate	
Z - OTHERS			

All samples are kept at 4 degrees Celsius.

5054365

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	VOLY										COMMENTS
SB1066	TB-1S	G110211	3	-	11/2/11 1033	X									-001	
SB1066	TB-1D	G110211	3	-	11/2/11 1133	X									-002	
SB1066	TB-2D	G110211	3	-	11/2/11 1434	X									-003	
SB1066	TB-2S	G110211	3	-	11/2/11 1527	X									-004	
SB1066	TB-2S	G110211A	3	-	11/2/11 1527	X								-005		Duplicate
SB1066	Trip Blank	WG110211	3	-	11/2/11 1600	X								-006		Trip Blank
SB1066	EQ-1	GW W110211	3	-	11/2/11 1600	X								-007		Equipment Blank
	:	:			/											
	:	:			/											
	:	:			/											
	:	:			/											
	:	:			/											

RELINQUISHED BY:	DATE: 11/2/11	RECEIVED BY:	DATE:
	TIME: 1630		TIME:
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
	TIME:		TIME:
RELINQUISHED BY:	DATE:	RECEIVED FOR LAB BY: Marcia Bennett/Hull	DATE: 11/3/11
	TIME:		TIME: 10:48 am

COOLER TEMPERATURE AS RECEIVED: 0.8°C

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

Deliver To:
Method of Delivery:
Airbill Number:
NOTES: Level 4

TURN AROUND TIME: 3 DAYS

Fedex 8764 3696 6327 w/ice

Sample Condition Upon Receipt

Pace Analytical

Client Name: Hull & Assoc. Project # 5054365

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 8764 3696 6327

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

Date/Time 5035A kits placed in freezer: _____

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

Thermometer Used: 1 2 3 4 6 A (B) C D E Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable): 0.8°C Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: MB 11/3/11

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☑N/A	5.
Rush Turn Around Time Requested:	☑Yes	☐No	☐N/A	6. 3day MB
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☐Yes	☑No	☐N/A	8. vial = TB-25 Dup but COC = TB-25 ~~GW~~ G110211A MB MB 11/3/11
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Kenneth Hunt **Date:** 11/3/11

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Hull & Assoc.

COC PAGE 1 of 1
COC ID# 8667

Project # SDS43165

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

Container Codes

DG9H	40mL HCL amber voa 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	I	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	WGFX	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

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

November 08, 2011

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

RE: Project: SBI066
Pace Project No.: 5054416

Dear Mr. Stuart:
Enclosed are the analytical results for sample(s) received by the laboratory on November 04, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP: CL0065
West Virginia Certification #: 330

Enclosures

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE SUMMARY

Project: SBI066
Pace Project No.: 5054416

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5054416001	**SBI066:TB3D:G110311**	Water	11/03/11 09:47	11/04/11 10:39
5054416002	**SBI066:TB3S:G110311**	Water	11/03/11 10:30	11/04/11 10:39
5054416003	**SBI066:TB3S:G110311A**	Water	11/03/11 10:30	11/04/11 10:39
5054416004	**SBI066:TB4D:G110311**	Water	11/03/11 12:55	11/04/11 10:39
5054416005	**SBI066:TB4S:G110311**	Water	11/03/11 13:50	11/04/11 10:39
5054416006	**SBI066:LTB:W110311**	Water	11/03/11 08:00	11/04/11 10:39
5054416007	**SBI066:EB:W110311**	Water	11/03/11 14:00	11/04/11 10:39

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE ANALYTE COUNT

Project: SBI066
Pace Project No.: 5054416

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5054416001	**SBI066:TB3D:G110311**	EPA 8260	GRM	73
5054416002	**SBI066:TB3S:G110311**	EPA 8260	GRM	73
5054416003	**SBI066:TB3S:G110311A**	EPA 8260	GRM	73
5054416004	**SBI066:TB4D:G110311**	EPA 8260	GRM	73
5054416005	**SBI066:TB4S:G110311**	EPA 8260	GRM	73
5054416006	**SBI066:LTB:W110311**	EPA 8260	GRM	73
5054416007	**SBI066:EB:W110311**	EPA 8260	GRM	73

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:TB3D:G110311 **Lab ID: 5054416001** Collected: 11/03/11 09:47 Received: 11/04/11 10:39 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		11/04/11 18:46	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 18:46	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 18:46	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 18:46	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 18:46	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 18:46	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 18:46	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 18:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 18:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 18:46	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 18:46	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 18:46	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 18:46	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 18:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 18:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 18:46	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 18:46	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 18:46	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 18:46	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 18:46	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 18:46	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 18:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 18:46	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 18:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 18:46	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 18:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 18:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 18:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 18:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 18:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 18:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 18:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 18:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 18:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 18:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 18:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 18:46	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 18:46	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 18:46	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 18:46	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 18:46	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 18:46	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 18:46	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 18:46	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:TB3D:G110311 **Lab ID: 5054416001** Collected: 11/03/11 09:47 Received: 11/04/11 10:39 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		11/04/11 18:46	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 18:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 18:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 18:46	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 18:46	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 18:46	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 18:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 18:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 18:46	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 18:46	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 18:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 18:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 18:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 18:46	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 18:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 18:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 18:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 18:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 18:46	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 18:46	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 18:46	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 18:46	1330-20-7	
Dibromofluoromethane (S)	112	%	83-123	1		11/04/11 18:46	1868-53-7	
4-Bromofluorobenzene (S)	97	%	72-125	1		11/04/11 18:46	460-00-4	
Toluene-d8 (S)	96	%	81-114	1		11/04/11 18:46	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:TB3S:G110311 **Lab ID: 5054416002** Collected: 11/03/11 10:30 Received: 11/04/11 10:39 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		11/04/11 19:20	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 19:20	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 19:20	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 19:20	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 19:20	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 19:20	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 19:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 19:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 19:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 19:20	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 19:20	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 19:20	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 19:20	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 19:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 19:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 19:20	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 19:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 19:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 19:20	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 19:20	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 19:20	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 19:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 19:20	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 19:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 19:20	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 19:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 19:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 19:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 19:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 19:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 19:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 19:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 19:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 19:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 19:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 19:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 19:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 19:20	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 19:20	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 19:20	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 19:20	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 19:20	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 19:20	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 19:20	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:TB3S:G110311 **Lab ID: 5054416002** Collected: 11/03/11 10:30 Received: 11/04/11 10:39 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		11/04/11 19:20	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 19:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 19:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 19:20	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 19:20	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 19:20	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 19:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 19:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 19:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 19:20	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 19:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 19:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 19:20	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 19:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 19:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 19:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 19:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 19:20	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 19:20	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 19:20	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 19:20	1330-20-7	
Dibromofluoromethane (S)	121	%	83-123	1		11/04/11 19:20	1868-53-7	
4-Bromofluorobenzene (S)	96	%	72-125	1		11/04/11 19:20	460-00-4	
Toluene-d8 (S)	95	%	81-114	1		11/04/11 19:20	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:TB3S:G110311A **Lab ID: 5054416003** Collected: 11/03/11 10:30 Received: 11/04/11 10:39 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		11/04/11 19:53	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 19:53	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 19:53	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 19:53	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 19:53	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 19:53	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 19:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 19:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 19:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 19:53	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 19:53	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 19:53	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 19:53	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 19:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 19:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 19:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 19:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 19:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 19:53	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 19:53	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 19:53	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 19:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 19:53	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 19:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 19:53	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 19:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 19:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 19:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 19:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 19:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 19:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 19:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 19:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 19:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 19:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 19:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 19:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 19:53	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 19:53	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 19:53	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 19:53	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 19:53	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 19:53	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 19:53	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:TB3S:G110311A **Lab ID: 5054416003** Collected: 11/03/11 10:30 Received: 11/04/11 10:39 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		11/04/11 19:53	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 19:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 19:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 19:53	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 19:53	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 19:53	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 19:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 19:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 19:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 19:53	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 19:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 19:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 19:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 19:53	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 19:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 19:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 19:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 19:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 19:53	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 19:53	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 19:53	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 19:53	1330-20-7	
Dibromofluoromethane (S)	120	%	83-123	1		11/04/11 19:53	1868-53-7	
4-Bromofluorobenzene (S)	100	%	72-125	1		11/04/11 19:53	460-00-4	
Toluene-d8 (S)	94	%	81-114	1		11/04/11 19:53	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:TB4D:G110311 **Lab ID: 5054416004** Collected: 11/03/11 12:55 Received: 11/04/11 10:39 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		11/04/11 20:27	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 20:27	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 20:27	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 20:27	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 20:27	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 20:27	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 20:27	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 20:27	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 20:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 20:27	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 20:27	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 20:27	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 20:27	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 20:27	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 20:27	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 20:27	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 20:27	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 20:27	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 20:27	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 20:27	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 20:27	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 20:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 20:27	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 20:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 20:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 20:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 20:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 20:27	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 20:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 20:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 20:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 20:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 20:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 20:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 20:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 20:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 20:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 20:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 20:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 20:27	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 20:27	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 20:27	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 20:27	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 20:27	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 20:27	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 20:27	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 20:27	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:TB4D:G110311 **Lab ID: 5054416004** Collected: 11/03/11 12:55 Received: 11/04/11 10:39 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		11/04/11 20:27	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 20:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 20:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 20:27	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 20:27	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 20:27	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 20:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 20:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 20:27	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 20:27	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 20:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 20:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 20:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 20:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 20:27	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 20:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 20:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 20:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 20:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 20:27	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 20:27	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 20:27	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 20:27	1330-20-7	
Dibromofluoromethane (S)	121	%	83-123	1		11/04/11 20:27	1868-53-7	
4-Bromofluorobenzene (S)	97	%	72-125	1		11/04/11 20:27	460-00-4	
Toluene-d8 (S)	95	%	81-114	1		11/04/11 20:27	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:TB4S:G110311 **Lab ID: 5054416005** Collected: 11/03/11 13:50 Received: 11/04/11 10:39 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		11/04/11 21:00	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 21:00	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 21:00	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 21:00	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 21:00	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 21:00	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 21:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 21:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 21:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 21:00	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 21:00	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 21:00	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 21:00	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 21:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 21:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 21:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 21:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 21:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 21:00	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 21:00	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 21:00	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 21:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 21:00	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 21:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 21:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 21:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 21:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 21:00	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 21:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 21:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 21:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 21:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 21:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 21:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 21:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 21:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 21:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 21:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 21:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 21:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 21:00	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 21:00	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 21:00	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 21:00	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 21:00	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 21:00	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 21:00	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:TB4S:G110311 **Lab ID: 5054416005** Collected: 11/03/11 13:50 Received: 11/04/11 10:39 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		11/04/11 21:00	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 21:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 21:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 21:00	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 21:00	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 21:00	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 21:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 21:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 21:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 21:00	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 21:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 21:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 21:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 21:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 21:00	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 21:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 21:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 21:00	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 21:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 21:00	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 21:00	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 21:00	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 21:00	1330-20-7	
Dibromofluoromethane (S)	108	%	83-123	1		11/04/11 21:00	1868-53-7	
4-Bromofluorobenzene (S)	98	%	72-125	1		11/04/11 21:00	460-00-4	
Toluene-d8 (S)	94	%	81-114	1		11/04/11 21:00	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:LTB:W110311 **Lab ID: 5054416006** Collected: 11/03/11 08:00 Received: 11/04/11 10:39 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		11/04/11 21:34	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 21:34	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 21:34	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 21:34	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 21:34	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 21:34	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 21:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 21:34	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 21:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 21:34	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 21:34	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 21:34	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 21:34	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 21:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 21:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 21:34	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 21:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 21:34	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 21:34	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 21:34	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 21:34	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 21:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 21:34	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 21:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 21:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 21:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 21:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 21:34	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 21:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 21:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 21:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 21:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 21:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 21:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 21:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 21:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 21:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 21:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 21:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 21:34	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 21:34	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 21:34	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 21:34	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 21:34	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 21:34	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 21:34	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 21:34	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:LTB:W110311 **Lab ID: 5054416006** Collected: 11/03/11 08:00 Received: 11/04/11 10:39 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		11/04/11 21:34	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 21:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 21:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 21:34	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 21:34	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 21:34	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 21:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 21:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 21:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 21:34	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 21:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 21:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 21:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 21:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 21:34	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 21:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 21:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 21:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 21:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 21:34	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 21:34	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 21:34	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 21:34	1330-20-7	
Dibromofluoromethane (S)	120	%	83-123	1		11/04/11 21:34	1868-53-7	
4-Bromofluorobenzene (S)	101	%	72-125	1		11/04/11 21:34	460-00-4	
Toluene-d8 (S)	94	%	81-114	1		11/04/11 21:34	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:EB:W110311 **Lab ID: 5054416007** Collected: 11/03/11 14:00 Received: 11/04/11 10:39 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		11/04/11 22:07	67-64-1	
Acrolein	ND	ug/L	100	1		11/04/11 22:07	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/04/11 22:07	107-13-1	
Benzene	ND	ug/L	5.0	1		11/04/11 22:07	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/04/11 22:07	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/04/11 22:07	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/11 22:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/11 22:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/11 22:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/11 22:07	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/04/11 22:07	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/04/11 22:07	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/04/11 22:07	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/04/11 22:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/11 22:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/11 22:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/11 22:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/11 22:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/11 22:07	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 22:07	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/04/11 22:07	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/11 22:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/11 22:07	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/04/11 22:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 22:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 22:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/11 22:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/04/11 22:07	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/11 22:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/11 22:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/11 22:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/11 22:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 22:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/11 22:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 22:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/04/11 22:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/04/11 22:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/04/11 22:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 22:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/11 22:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/11 22:07	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/04/11 22:07	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/04/11 22:07	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/04/11 22:07	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/04/11 22:07	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/04/11 22:07	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/11 22:07	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5054416

Sample: SBI066:EB:W110311 **Lab ID: 5054416007** Collected: 11/03/11 14:00 Received: 11/04/11 10:39 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		11/04/11 22:07	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		11/04/11 22:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/11 22:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/11 22:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/04/11 22:07	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/04/11 22:07	103-65-1	
Styrene	ND	ug/L	5.0	1		11/04/11 22:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 22:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/11 22:07	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/11 22:07	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/11 22:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 22:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/11 22:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/11 22:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/11 22:07	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/11 22:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/11 22:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/04/11 22:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 22:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/04/11 22:07	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/04/11 22:07	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/04/11 22:07	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/04/11 22:07	1330-20-7	
Dibromofluoromethane (S)	125	%	83-123	1		11/04/11 22:07	1868-53-7	S3
4-Bromofluorobenzene (S)	104	%	72-125	1		11/04/11 22:07	460-00-4	
Toluene-d8 (S)	99	%	81-114	1		11/04/11 22:07	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5054416

QC Batch: MSV/37156 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5054416001, 5054416002, 5054416003, 5054416004, 5054416005, 5054416006, 5054416007

METHOD BLANK: 645036 Matrix: Water
Associated Lab Samples: 5054416001, 5054416002, 5054416003, 5054416004, 5054416005, 5054416006, 5054416007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/04/11 14:18	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/04/11 14:18	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/04/11 14:18	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/04/11 14:18	
1,1-Dichloroethane	ug/L	ND	5.0	11/04/11 14:18	
1,1-Dichloroethene	ug/L	ND	5.0	11/04/11 14:18	
1,1-Dichloropropene	ug/L	ND	5.0	11/04/11 14:18	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/04/11 14:18	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/04/11 14:18	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/04/11 14:18	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/04/11 14:18	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/04/11 14:18	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/04/11 14:18	
1,2-Dichloroethane	ug/L	ND	5.0	11/04/11 14:18	
1,2-Dichloropropane	ug/L	ND	5.0	11/04/11 14:18	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/04/11 14:18	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/04/11 14:18	
1,3-Dichloropropane	ug/L	ND	5.0	11/04/11 14:18	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/04/11 14:18	
2,2-Dichloropropane	ug/L	ND	5.0	11/04/11 14:18	
2-Butanone (MEK)	ug/L	ND	25.0	11/04/11 14:18	
2-Chlorotoluene	ug/L	ND	5.0	11/04/11 14:18	
2-Hexanone	ug/L	ND	25.0	11/04/11 14:18	
4-Chlorotoluene	ug/L	ND	5.0	11/04/11 14:18	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/04/11 14:18	
Acetone	ug/L	ND	100	11/04/11 14:18	
Acrolein	ug/L	ND	100	11/04/11 14:18	
Acrylonitrile	ug/L	ND	100	11/04/11 14:18	
Benzene	ug/L	ND	5.0	11/04/11 14:18	
Bromobenzene	ug/L	ND	5.0	11/04/11 14:18	
Bromochloromethane	ug/L	ND	5.0	11/04/11 14:18	
Bromodichloromethane	ug/L	ND	5.0	11/04/11 14:18	
Bromoform	ug/L	ND	5.0	11/04/11 14:18	
Bromomethane	ug/L	ND	5.0	11/04/11 14:18	
Carbon disulfide	ug/L	ND	10.0	11/04/11 14:18	
Carbon tetrachloride	ug/L	ND	5.0	11/04/11 14:18	
Chlorobenzene	ug/L	ND	5.0	11/04/11 14:18	
Chloroethane	ug/L	ND	5.0	11/04/11 14:18	
Chloroform	ug/L	ND	5.0	11/04/11 14:18	
Chloromethane	ug/L	ND	5.0	11/04/11 14:18	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/04/11 14:18	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/04/11 14:18	
Dibromochloromethane	ug/L	ND	5.0	11/04/11 14:18	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5054416

METHOD BLANK: 645036 Matrix: Water

Associated Lab Samples: 5054416001, 5054416002, 5054416003, 5054416004, 5054416005, 5054416006, 5054416007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	5.0	11/04/11 14:18	
Dichlorodifluoromethane	ug/L	ND	5.0	11/04/11 14:18	
Ethyl methacrylate	ug/L	ND	100	11/04/11 14:18	
Ethylbenzene	ug/L	ND	5.0	11/04/11 14:18	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/04/11 14:18	
Iodomethane	ug/L	ND	10.0	11/04/11 14:18	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/04/11 14:18	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/04/11 14:18	
Methylene chloride	ug/L	ND	5.0	11/04/11 14:18	
n-Butylbenzene	ug/L	ND	5.0	11/04/11 14:18	
n-Hexane	ug/L	ND	5.0	11/04/11 14:18	N2
n-Propylbenzene	ug/L	ND	5.0	11/04/11 14:18	
Naphthalene	ug/L	ND	5.0	11/04/11 14:18	
p-Isopropyltoluene	ug/L	ND	5.0	11/04/11 14:18	
sec-Butylbenzene	ug/L	ND	5.0	11/04/11 14:18	
Styrene	ug/L	ND	5.0	11/04/11 14:18	
tert-Butylbenzene	ug/L	ND	5.0	11/04/11 14:18	
Tetrachloroethene	ug/L	ND	5.0	11/04/11 14:18	
Toluene	ug/L	ND	5.0	11/04/11 14:18	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/04/11 14:18	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/04/11 14:18	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/04/11 14:18	
Trichloroethene	ug/L	ND	5.0	11/04/11 14:18	
Trichlorofluoromethane	ug/L	ND	5.0	11/04/11 14:18	
Vinyl acetate	ug/L	ND	50.0	11/04/11 14:18	
Vinyl chloride	ug/L	ND	2.0	11/04/11 14:18	
Xylene (Total)	ug/L	ND	10.0	11/04/11 14:18	
4-Bromofluorobenzene (S)	%	96	72-125	11/04/11 14:18	
Dibromofluoromethane (S)	%	116	83-123	11/04/11 14:18	
Toluene-d8 (S)	%	94	81-114	11/04/11 14:18	

LABORATORY CONTROL SAMPLE: 645037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.5	101	69-122	
1,1,1-Trichloroethane	ug/L	50	52.8	106	69-126	
1,1,2,2-Tetrachloroethane	ug/L	50	43.2	86	68-134	
1,1,2-Trichloroethane	ug/L	50	56.4	113	77-129	
1,1-Dichloroethane	ug/L	50	52.6	105	70-127	
1,1-Dichloroethene	ug/L	50	58.3	117	75-145	
1,1-Dichloropropene	ug/L	50	54.1	108	75-126	
1,2,3-Trichlorobenzene	ug/L	50	63.7	127	63-130	
1,2,3-Trichloropropane	ug/L	100	69.3	69	45-121	
1,2,4-Trichlorobenzene	ug/L	50	61.8	124	64-122	L3
1,2,4-Trimethylbenzene	ug/L	50	51.4	103	68-129	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5054416

LABORATORY CONTROL SAMPLE: 645037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	54.7	109	77-123	
1,2-Dichlorobenzene	ug/L	50	56.3	113	74-123	
1,2-Dichloroethane	ug/L	50	50.0	100	71-127	
1,2-Dichloropropane	ug/L	50	56.0	112	75-126	
1,3,5-Trimethylbenzene	ug/L	50	53.2	106	69-129	
1,3-Dichlorobenzene	ug/L	50	56.4	113	76-123	
1,3-Dichloropropane	ug/L	50	52.2	104	77-126	
1,4-Dichlorobenzene	ug/L	50	52.3	105	77-121	
2,2-Dichloropropane	ug/L	50	42.0	84	45-138	
2-Butanone (MEK)	ug/L	250	139	56	42-177	
2-Chlorotoluene	ug/L	50	50.9	102	74-129	
2-Hexanone	ug/L	250	180	72	57-162	
4-Chlorotoluene	ug/L	50	54.0	108	70-125	
4-Methyl-2-pentanone (MIBK)	ug/L	250	183	73	64-135	
Acetone	ug/L	250	162	65	10-200	
Acrolein	ug/L	1000	632	63	10-200	
Acrylonitrile	ug/L	1000	645	64	59-144	
Benzene	ug/L	50	54.9	110	76-123	
Bromobenzene	ug/L	50	51.2	102	67-130	
Bromochloromethane	ug/L	50	50.7	101	58-153	
Bromodichloromethane	ug/L	50	55.2	110	71-124	
Bromoform	ug/L	50	39.8	80	64-116	
Bromomethane	ug/L	50	72.5	145	23-197	
Carbon disulfide	ug/L	100	110	110	55-146	
Carbon tetrachloride	ug/L	50	57.1	114	65-125	
Chlorobenzene	ug/L	50	56.6	113	78-120	
Chloroethane	ug/L	50	61.3	123	56-163	
Chloroform	ug/L	50	54.6	109	73-122	
Chloromethane	ug/L	50	44.4	89	46-146	
cis-1,2-Dichloroethene	ug/L	50	59.1	118	79-129	
cis-1,3-Dichloropropene	ug/L	50	56.6	113	66-123	
Dibromochloromethane	ug/L	50	46.5	93	70-123	
Dibromomethane	ug/L	50	52.3	105	73-123	
Dichlorodifluoromethane	ug/L	50	63.6	127	19-200	
Ethyl methacrylate	ug/L	200	157	79	70-127	
Ethylbenzene	ug/L	50	54.2	108	75-120	
Hexachloro-1,3-butadiene	ug/L	50	66.4	133	64-131	L3
Iodomethane	ug/L	100	126	126	16-181	
Isopropylbenzene (Cumene)	ug/L	50	58.3	117	73-123	
Methyl-tert-butyl ether	ug/L	100	86.6	87	66-128	
Methylene chloride	ug/L	50	60.1	120	61-138	
n-Butylbenzene	ug/L	50	53.4	107	69-130	
n-Hexane	ug/L	50	49.8	100	67-142	N2
n-Propylbenzene	ug/L	50	51.0	102	71-132	
Naphthalene	ug/L	50	55.0	110	62-130	
p-Isopropyltoluene	ug/L	50	59.7	119	71-126	
sec-Butylbenzene	ug/L	50	53.9	108	69-130	
Styrene	ug/L	50	56.1	112	75-125	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5054416

LABORATORY CONTROL SAMPLE: 645037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	53.5	107	49-114	
Tetrachloroethene	ug/L	50	58.0	116	57-125	
Toluene	ug/L	50	52.1	104	72-124	
trans-1,2-Dichloroethene	ug/L	50	54.1	108	71-145	
trans-1,3-Dichloropropene	ug/L	50	45.7	91	58-118	
trans-1,4-Dichloro-2-butene	ug/L	200	149	75	50-121	
Trichloroethene	ug/L	50	55.7	111	77-122	
Trichlorofluoromethane	ug/L	50	56.7	113	56-159	
Vinyl acetate	ug/L	200	170	85	27-119	
Vinyl chloride	ug/L	50	50.1	100	61-146	
Xylene (Total)	ug/L	150	166	111	72-126	
4-Bromofluorobenzene (S)	%			97	72-125	
Dibromofluoromethane (S)	%			105	83-123	
Toluene-d8 (S)	%			97	81-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 645038 645039

Parameter	Units	5054416001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	29.9	39.4	60	79	30-122	27	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	32.4	45.0	65	90	37-136	32	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	29.6	38.7	59	77	47-132	27	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	34.3	45.6	69	91	53-131	28	20	
1,1-Dichloroethane	ug/L	ND	50	50	30.1	41.0	60	82	47-138	31	20	
1,1-Dichloroethene	ug/L	ND	50	50	36.1	48.0	72	96	54-152	28	20	
1,1-Dichloropropene	ug/L	ND	50	50	34.2	47.8	68	96	47-136	33	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	39.7	52.5	79	105	15-132	28	20	
1,2,3-Trichloropropane	ug/L	ND	100	100	45.2	59.4	45	59	24-108	27	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	36.6	48.4	73	97	10-130	28	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	31.2	42.4	62	85	10-141	30	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	33.3	43.4	67	87	49-130	26	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	35.8	46.1	72	92	20-137	25	20	
1,2-Dichloroethane	ug/L	ND	50	50	31.0	40.9	62	82	42-139	28	20	
1,2-Dichloropropane	ug/L	ND	50	50	32.2	43.5	64	87	50-131	30	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	32.4	42.8	65	86	10-145	28	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	36.0	46.3	72	93	13-143	25	20	
1,3-Dichloropropane	ug/L	ND	50	50	30.9	41.4	62	83	53-130	29	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	33.1	42.9	66	86	13-140	26	20	
2,2-Dichloropropane	ug/L	ND	50	50	23.3	31.7	47	63	13-142	31	20	
2-Butanone (MEK)	ug/L	ND	250	250	127	168	51	67	43-142	28	20	
2-Chlorotoluene	ug/L	ND	50	50	31.7	40.3	63	81	15-145	24	20	
2-Hexanone	ug/L	ND	250	250	130	163	52	65	46-139	23	20	
4-Chlorotoluene	ug/L	ND	50	50	34.7	43.6	69	87	12-143	23	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	128	160	51	64	43-140	23	20	
Acetone	ug/L	ND	250	250	163	197	65	79	38-155	19	20	
Acrolein	ug/L	ND	1000	1000	924	1150	92	115	11-200	22	20	
Acrylonitrile	ug/L	ND	1000	1000	392	479	39	48	42-150	20	20	M0

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5054416

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 645038 645039

Parameter	Units	5054416001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	33.3	45.1	67	90	52-134	30	20	
Bromobenzene	ug/L	ND	50	50	29.6	39.2	59	78	25-140	28	20	
Bromochloromethane	ug/L	ND	50	50	30.8	39.5	62	79	54-144	25	20	
Bromodichloromethane	ug/L	ND	50	50	32.0	43.5	64	87	42-128	30	20	
Bromoform	ug/L	ND	50	50	24.7	30.4	49	61	34-116	21	20	
Bromomethane	ug/L	ND	50	50	26.4	48.2	53	96	10-200	58	20	
Carbon disulfide	ug/L	ND	100	100	69.1	87.1	69	87	43-144	23	20	
Carbon tetrachloride	ug/L	ND	50	50	33.4	46.0	67	92	26-136	32	20	
Chlorobenzene	ug/L	ND	50	50	35.0	45.0	70	90	33-136	25	20	
Chloroethane	ug/L	ND	50	50	35.8	47.1	72	94	21-200	27	20	
Chloroform	ug/L	ND	50	50	33.5	44.8	67	90	50-134	29	20	
Chloromethane	ug/L	ND	50	50	23.8	29.8	48	60	32-160	22	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	34.7	45.9	69	92	48-145	28	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	30.7	41.3	61	83	35-116	30	20	
Dibromochloromethane	ug/L	ND	50	50	27.0	34.7	54	69	39-122	25	20	
Dibromomethane	ug/L	ND	50	50	33.8	43.8	68	88	49-134	26	20	
Dichlorodifluoromethane	ug/L	ND	50	50	40.9	53.3	82	107	35-200	26	20	
Ethyl methacrylate	ug/L	ND	200	200	105	139	53	70	54-123	27	20	M0
Ethylbenzene	ug/L	ND	50	50	32.6	44.9	65	90	29-132	32	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	36.5	52.9	73	106	10-146	37	20	
Iodomethane	ug/L	ND	100	100	66.8	97.3	67	97	10-171	37	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	35.2	46.1	70	92	11-146	27	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	46.3	63.0	46	63	39-137	30	20	
Methylene chloride	ug/L	ND	50	50	34.8	46.7	70	93	47-141	29	20	
n-Butylbenzene	ug/L	ND	50	50	31.9	43.5	64	87	10-156	31	20	
n-Hexane	ug/L	ND	50	50	22.4	31.9	45	64	51-137	35	20	M0,N2
n-Propylbenzene	ug/L	ND	50	50	32.9	43.1	66	86	10-148	27	20	
Naphthalene	ug/L	ND	50	50	36.5	47.1	73	94	40-124	25	20	
p-Isopropyltoluene	ug/L	ND	50	50	35.4	46.6	71	93	10-150	27	20	
sec-Butylbenzene	ug/L	ND	50	50	33.3	44.4	67	89	10-150	29	20	
Styrene	ug/L	ND	50	50	33.1	44.3	66	89	20-143	29	20	
tert-Butylbenzene	ug/L	ND	50	50	33.4	44.0	67	88	10-123	27	20	
Tetrachloroethene	ug/L	ND	50	50	39.3	50.2	75	97	30-124	24	20	
Toluene	ug/L	ND	50	50	32.1	42.0	64	83	42-130	27	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	26.9	35.8	54	72	48-144	28	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	25.6	33.4	51	67	24-114	26	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	94.2J	124	47	62	22-120		20	
Trichloroethene	ug/L	ND	50	50	35.2	46.2	70	92	44-130	27	20	
Trichlorofluoromethane	ug/L	ND	50	50	36.4	48.3	73	97	17-200	28	20	
Vinyl acetate	ug/L	ND	200	200	105	135	52	68	10-115	25	20	
Vinyl chloride	ug/L	ND	50	50	30.5	40.4	61	81	45-159	28	20	
Xylene (Total)	ug/L	ND	150	150	98.4	132	66	88	29-131	29	20	
4-Bromofluorobenzene (S)	%						94	95	72-125		20	
Dibromofluoromethane (S)	%						106	106	83-123		20	1d
Toluene-d8 (S)	%						96	93	81-114		20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALIFIERS

Project: SBI066
Pace Project No.: 5054416

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.

SG - Silica Gel - Clean-Up

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

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

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

ANALYTE QUALIFIERS

1d	Several compounds are outside of acceptance limits for RPD value. Refer to batch QC for system control. grm 11-7-11
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.
N2	The lab does not hold TNI accreditation for this parameter.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

Hull & associates, inc.

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

NO. 8672

Dublin, OH ☐
6397 Emerald Pkwy
Suite 200
Dublin, OH 43016
P: (614) 793-8777
F: (614) 793-9070

Indianapolis, IN ☒
6435 Castleway W. Dr.
Suite 119
Indianapolis, IN 46250
P: (800) 241-7173
F: (614) 793-9070

Mason, OH ☐
4770 Duke Dr.
Suite 300
Mason, OH 45040
P: (513) 459-9677
F: (513) 459-9869

Bedford, OH ☐
4 Hemisphere Way
Bedford, OH 44146
P: (440) 232-9945
F: (440) 232-9946

Toledo, OH ☐
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
P: (419) 385-2018
F: (419) 385-5487

Pittsburgh, PA ☐
300 Business Center Dr.
Suite 320
Pittsburgh, PA 15205
P: (412) 446-0315
F: (412) 446-0324

REPORT TO: Doug Stuart

Client: City of South Bend
Site:
Project #: SBIO666 Phase:
Samplers: Ryan Sievers

SAMPLE TYPES	PRESERVATIVES		METALS
A - AIR	A - Cool only, <4 deg. C	H - EDTA	F - Filtered
C - ASBESTOS	B - HNO_3 pH<2	I - 5ml 1:1 HCL	N - Not filtered
D - SEDIMENT	C - H_2SO_4 pH<2	J - None	B - Both
G - GROUNDWATER	D - NaOH pH>12	K - Stored in dark	
P - PRODUCT	E - ZnAcetate + NaOH, pH>9	L - NH_4Cl	
S - SOIL	F - $Na_2S_2O_3$ (0.008%)	M - Methanol	
W - WATER	G - HCL pH <2	S - Sodium bisulfate	
Z - OTHERS			

All samples are kept at 4 degrees Celsius.

ANALYSES

PRESERVATIVES

VOCs 8260

5054/416

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME			COMMENTS
SBIO666	TB3D	G110311	9		11/3/11	947	X	MS/MSD -001
SBIO666	TB3S	G110311	3		11/3/11	1030	X	-002
SBIO666	TB3S	G110311A	3		11/3/11	1030	X	-003
SBIO666	TB4D	G110311	3		11/3/11	1255	X	-004
SBIO666	TB4S	G110311	3		11/3/11	1350	X	-005
SBIO666	LTB		3		~~11/3~~		X	-006
SBIO666	EB	W110311	3		11/3/11	1400	X	-007

RELINQUISHED BY: Ryan Sievers	DATE: 11/3/11 TIME: 1500	RECEIVED BY: Marcia Wilson	DATE: 11-4-11 TIME: 1039
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:	DATE: TIME:
RELINQUISHED BY:	DATE: TIME:	RECEIVED FOR LAB BY:	DATE: TIME:

COOLER TEMPERATURE AS RECEIVED: 1.6 °C

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

Deliver To:
Method of Delivery:
Airbill Number:
NOTES: Rush TAT please

TURN AROUND TIME: 3 DAYS

Jeff WI

Sample Condition Upon Receipt

Pace Analytical

Client Name: H411 Project # 50544/6

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 8766 7651 5266

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

Date/Time 5035A kits placed in freezer: _____

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

Thermometer Used 1 2 3 4 6 (A) B C D E Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 1.6°C Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 11-9-11-MW

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	5.
Rush Turn Around Time Requested:	☑Yes	☐No	☐N/A	6. 3 Day TAT
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☐Yes	☐No	☐N/A	12.
Sufficient Volume:	☐Yes	☐No	☐N/A	13.
Correct Containers Used:	☐Yes	☐No	☐N/A	14.

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Kenneth Hunt **Date:** 11/9/11

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: HULL

COC PAGE 1 of 1
COC ID# 8672

Project # 52524416

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

Container Codes

DG9H	40mL HCL amber voa 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	I	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	WGFX	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

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

December 08, 2011

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

RE: Project: SBI066
Pace Project No.: 5055090

Dear Mr. Stuart:
Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP: CL0065
West Virginia Certification #: 330

Enclosures

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE SUMMARY

Project: SBI066
Pace Project No.: 5055090

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5055090001	**SBI066:MW23S:G111711**	Water	11/17/11 13:55	11/22/11 11:15
5055090002	**SBI066:MW23D:G111711**	Water	11/17/11 13:15	11/22/11 11:15
5055090003	**SBI066:MW22D:G111711**	Water	11/17/11 12:20	11/22/11 11:15
5055090004	**SBI066:MW22D:G111711A**	Water	11/17/11 12:20	11/22/11 11:15
5055090005	**SBI066:MW22S:G111711**	Water	11/17/11 11:45	11/22/11 11:15
5055090006	**SBI066:MW24:G111711**	Water	11/17/11 16:35	11/22/11 11:15
5055090007	**SBI066:MW26S:G111711**	Water	11/17/11 14:55	11/22/11 11:15
5055090008	**SBI066:MW26D:G111711**	Water	11/17/11 15:40	11/22/11 11:15
5055090009	**SBI066:MW21S:G111811**	Water	11/18/11 09:25	11/22/11 11:15
5055090010	**SBI066:MW21D:G111811**	Water	11/18/11 08:50	11/22/11 11:15
5055090011	**SBI066:MW21D:G111811A**	Water	11/18/11 08:50	11/22/11 11:15
5055090012	**SBI066:MW25S:G111811**	Water	11/18/11 10:20	11/22/11 11:15
5055090013	**SBI066:MW25D:G111811**	Water	11/18/11 11:05	11/22/11 11:15
5055090014	**SBI066:MW20S:G111811**	Water	11/18/11 11:50	11/22/11 11:15
5055090015	**SBI066:MW20D:G111811**	Water	11/18/11 12:35	11/22/11 11:15
5055090016	**SBI066:EB1:W111711**	Water	11/17/11 17:30	11/22/11 11:15
5055090017	**SBI066:EB2:W111811**	Water	11/18/11 08:30	11/22/11 11:15
5055090018	**SBI066:TB1:W111711**	Water	11/17/11 08:00	11/22/11 11:15
5055090019	**SBI066:TB2:W111811**	Water	11/18/11 08:00	11/22/11 11:15

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE ANALYTE COUNT

Project: SBI066
Pace Project No.: 5055090

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5055090001	**SBI066:MW23S:G111711**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090002	**SBI066:MW23D:G111711**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090003	**SBI066:MW22D:G111711**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090004	**SBI066:MW22D:G111711A**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090005	**SBI066:MW22S:G111711**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090006	**SBI066:MW24:G111711**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090007	**SBI066:MW26S:G111711**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090008	**SBI066:MW26D:G111711**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090009	**SBI066:MW21S:G111811**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090010	**SBI066:MW21D:G111811**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090011	**SBI066:MW21D:G111811A**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090012	**SBI066:MW25S:G111811**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090013	**SBI066:MW25D:G111811**	EPA 6010	LLB	2

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE ANALYTE COUNT

Project: SBI066
Pace Project No.: 5055090

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090014	**SBI066:MW20S:G111811**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090015	**SBI066:MW20D:G111811**	EPA 6010	LLB	2
		EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090016	**SBI066:EB1:W111711**	EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090017	**SBI066:EB2:W111811**	EPA 6010	LLB	2
		EPA 8260	RSW	73
5055090018	**SBI066:TB1:W111711**	EPA 8260	RSW	73
5055090019	**SBI066:TB2:W111811**	EPA 8260	RSW	73

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW23S:G111711 **Lab ID: 5055090001** Collected: 11/17/11 13:55 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 12:00	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 12:00	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 11:46	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 11:46	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/28/11 20:53	67-64-1	
Acrolein	ND	ug/L	100	1		11/28/11 20:53	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/28/11 20:53	107-13-1	
Benzene	ND	ug/L	5.0	1		11/28/11 20:53	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/28/11 20:53	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/28/11 20:53	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/28/11 20:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/28/11 20:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/28/11 20:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/28/11 20:53	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/28/11 20:53	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/28/11 20:53	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/28/11 20:53	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/28/11 20:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/28/11 20:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/28/11 20:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/28/11 20:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/28/11 20:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/28/11 20:53	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/28/11 20:53	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/28/11 20:53	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/28/11 20:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/28/11 20:53	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/28/11 20:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/28/11 20:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/28/11 20:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/28/11 20:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/28/11 20:53	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/28/11 20:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/28/11 20:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/28/11 20:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/28/11 20:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/28/11 20:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/28/11 20:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/28/11 20:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/28/11 20:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/28/11 20:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/28/11 20:53	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW23S:G111711 **Lab ID: 5055090001** Collected: 11/17/11 13:55 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/28/11 20:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/28/11 20:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/28/11 20:53	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/28/11 20:53	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/28/11 20:53	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/28/11 20:53	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/28/11 20:53	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/28/11 20:53	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/28/11 20:53	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/28/11 20:53	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/28/11 20:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/28/11 20:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/28/11 20:53	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/28/11 20:53	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/28/11 20:53	103-65-1	
Styrene	ND	ug/L	5.0	1		11/28/11 20:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/28/11 20:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/28/11 20:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/28/11 20:53	127-18-4	
Toluene	ND	ug/L	5.0	1		11/28/11 20:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/28/11 20:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/28/11 20:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/28/11 20:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/28/11 20:53	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/28/11 20:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/28/11 20:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/28/11 20:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/28/11 20:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/28/11 20:53	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/28/11 20:53	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/28/11 20:53	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/28/11 20:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	83-123	1		11/28/11 20:53	1868-53-7	
4-Bromofluorobenzene (S)	102	%	72-125	1		11/28/11 20:53	460-00-4	
Toluene-d8 (S)	102	%	81-114	1		11/28/11 20:53	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW23D:G111711 **Lab ID: 5055090002** Collected: 11/17/11 13:15 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 12:04	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 12:04	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 11:49	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 11:49	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/28/11 21:27	67-64-1	
Acrolein	ND	ug/L	100	1		11/28/11 21:27	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/28/11 21:27	107-13-1	
Benzene	ND	ug/L	5.0	1		11/28/11 21:27	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/28/11 21:27	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/28/11 21:27	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/28/11 21:27	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/28/11 21:27	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/28/11 21:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/28/11 21:27	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/28/11 21:27	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/28/11 21:27	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/28/11 21:27	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/28/11 21:27	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/28/11 21:27	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/28/11 21:27	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/28/11 21:27	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/28/11 21:27	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/28/11 21:27	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/28/11 21:27	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/28/11 21:27	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/28/11 21:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/28/11 21:27	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/28/11 21:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/28/11 21:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/28/11 21:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/28/11 21:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/28/11 21:27	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/28/11 21:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/28/11 21:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/28/11 21:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/28/11 21:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/28/11 21:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/28/11 21:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/28/11 21:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/28/11 21:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/28/11 21:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/28/11 21:27	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW23D:G111711 **Lab ID: 5055090002** Collected: 11/17/11 13:15 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/28/11 21:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/28/11 21:27	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/28/11 21:27	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/28/11 21:27	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/28/11 21:27	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/28/11 21:27	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/28/11 21:27	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/28/11 21:27	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/28/11 21:27	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/28/11 21:27	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/28/11 21:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/28/11 21:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/28/11 21:27	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/28/11 21:27	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/28/11 21:27	103-65-1	
Styrene	ND	ug/L	5.0	1		11/28/11 21:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/28/11 21:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/28/11 21:27	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/28/11 21:27	127-18-4	
Toluene	ND	ug/L	5.0	1		11/28/11 21:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/28/11 21:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/28/11 21:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/28/11 21:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/28/11 21:27	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/28/11 21:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/28/11 21:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/28/11 21:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/28/11 21:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/28/11 21:27	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/28/11 21:27	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/28/11 21:27	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/28/11 21:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	83-123	1		11/28/11 21:27	1868-53-7	
4-Bromofluorobenzene (S)	98	%	72-125	1		11/28/11 21:27	460-00-4	
Toluene-d8 (S)	98	%	81-114	1		11/28/11 21:27	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW22D:G111711 **Lab ID: 5055090003** Collected: 11/17/11 12:20 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 12:41	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 12:41	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 12:17	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 12:17	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 01:30	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 01:30	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 01:30	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 01:30	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 01:30	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 01:30	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 01:30	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 01:30	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 01:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 01:30	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 01:30	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 01:30	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 01:30	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 01:30	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 01:30	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 01:30	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 01:30	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 01:30	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 01:30	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 01:30	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 01:30	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 01:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 01:30	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 01:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 01:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 01:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 01:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 01:30	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 01:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 01:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 01:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 01:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 01:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 01:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 01:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 01:30	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 01:30	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 01:30	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW22D:G111711 **Lab ID: 5055090003** Collected: 11/17/11 12:20 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 01:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 01:30	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 01:30	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 01:30	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 01:30	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 01:30	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 01:30	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 01:30	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 01:30	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 01:30	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 01:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 01:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 01:30	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 01:30	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 01:30	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 01:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 01:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 01:30	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 01:30	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 01:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 01:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 01:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 01:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 01:30	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 01:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 01:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 01:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 01:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 01:30	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 01:30	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 01:30	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 01:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	83-123	1		11/29/11 01:30	1868-53-7	
4-Bromofluorobenzene (S)	102	%	72-125	1		11/29/11 01:30	460-00-4	
Toluene-d8 (S)	101	%	81-114	1		11/29/11 01:30	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW22D:G111711A **Lab ID: 5055090004** Collected: 11/17/11 12:20 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 12:45	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 12:45	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 12:20	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 12:20	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 02:04	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 02:04	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 02:04	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 02:04	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 02:04	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 02:04	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 02:04	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 02:04	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 02:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 02:04	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 02:04	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 02:04	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 02:04	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 02:04	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 02:04	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 02:04	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 02:04	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 02:04	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 02:04	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 02:04	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 02:04	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 02:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 02:04	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 02:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 02:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 02:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 02:04	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 02:04	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 02:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 02:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 02:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 02:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 02:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 02:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 02:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 02:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 02:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 02:04	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW22D:G111711A **Lab ID: 5055090004** Collected: 11/17/11 12:20 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 02:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 02:04	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 02:04	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 02:04	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 02:04	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 02:04	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 02:04	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 02:04	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 02:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 02:04	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 02:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 02:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 02:04	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 02:04	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 02:04	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 02:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 02:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 02:04	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 02:04	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 02:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 02:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 02:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 02:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 02:04	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 02:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 02:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 02:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 02:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 02:04	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 02:04	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 02:04	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 02:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	83-123	1		11/29/11 02:04	1868-53-7	
4-Bromofluorobenzene (S)	102	%	72-125	1		11/29/11 02:04	460-00-4	
Toluene-d8 (S)	98	%	81-114	1		11/29/11 02:04	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW22S:G111711 **Lab ID: 5055090005** Collected: 11/17/11 11:45 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 12:48	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 12:48	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 12:24	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 12:24	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 02:37	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 02:37	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 02:37	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 02:37	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 02:37	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 02:37	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 02:37	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 02:37	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 02:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 02:37	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 02:37	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 02:37	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 02:37	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 02:37	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 02:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 02:37	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 02:37	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 02:37	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 02:37	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 02:37	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 02:37	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 02:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 02:37	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 02:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 02:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 02:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 02:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 02:37	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 02:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 02:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 02:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 02:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 02:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 02:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 02:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 02:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 02:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 02:37	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW22S:G111711 **Lab ID: 5055090005** Collected: 11/17/11 11:45 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 02:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 02:37	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 02:37	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 02:37	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 02:37	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 02:37	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 02:37	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 02:37	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 02:37	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 02:37	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 02:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 02:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 02:37	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 02:37	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 02:37	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 02:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 02:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 02:37	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 02:37	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 02:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 02:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 02:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 02:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 02:37	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 02:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 02:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 02:37	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 02:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 02:37	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 02:37	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 02:37	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 02:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%	83-123	1		11/29/11 02:37	1868-53-7	
4-Bromofluorobenzene (S)	101	%	72-125	1		11/29/11 02:37	460-00-4	
Toluene-d8 (S)	99	%	81-114	1		11/29/11 02:37	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW24:G111711 **Lab ID: 5055090006** Collected: 11/17/11 16:35 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 12:59	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 12:59	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 12:27	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 12:27	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 03:11	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 03:11	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 03:11	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 03:11	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 03:11	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 03:11	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 03:11	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 03:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 03:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 03:11	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 03:11	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 03:11	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 03:11	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 03:11	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 03:11	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 03:11	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 03:11	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 03:11	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 03:11	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 03:11	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 03:11	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 03:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 03:11	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 03:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 03:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 03:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 03:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 03:11	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 03:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 03:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 03:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 03:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 03:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 03:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 03:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 03:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 03:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 03:11	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW24:G111711 **Lab ID: 5055090006** Collected: 11/17/11 16:35 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 03:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 03:11	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 03:11	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 03:11	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 03:11	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 03:11	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 03:11	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 03:11	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 03:11	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 03:11	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 03:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 03:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 03:11	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 03:11	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 03:11	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 03:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 03:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 03:11	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 03:11	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 03:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 03:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 03:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 03:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 03:11	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 03:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 03:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 03:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 03:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 03:11	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 03:11	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 03:11	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 03:11	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	83-123	1		11/29/11 03:11	1868-53-7	
4-Bromofluorobenzene (S)	107	%	72-125	1		11/29/11 03:11	460-00-4	
Toluene-d8 (S)	111	%	81-114	1		11/29/11 03:11	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW26S:G111711 **Lab ID: 5055090007** Collected: 11/17/11 14:55 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:02	7440-38-2	
Lead	**0.016**	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:02	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 12:31	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 12:31	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 03:44	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 03:44	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 03:44	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 03:44	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 03:44	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 03:44	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 03:44	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 03:44	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 03:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 03:44	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 03:44	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 03:44	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 03:44	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 03:44	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 03:44	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 03:44	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 03:44	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 03:44	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 03:44	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 03:44	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 03:44	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 03:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 03:44	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 03:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 03:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 03:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 03:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 03:44	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 03:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 03:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 03:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 03:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 03:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 03:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 03:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 03:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 03:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 03:44	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW26S:G111711 **Lab ID: 5055090007** Collected: 11/17/11 14:55 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 03:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 03:44	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 03:44	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 03:44	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 03:44	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 03:44	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 03:44	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 03:44	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 03:44	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 03:44	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 03:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 03:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 03:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 03:44	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 03:44	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 03:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 03:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 03:44	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 03:44	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 03:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 03:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 03:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 03:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 03:44	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 03:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 03:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 03:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 03:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 03:44	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 03:44	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 03:44	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 03:44	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%	83-123	1		11/29/11 03:44	1868-53-7	
4-Bromofluorobenzene (S)	99	%	72-125	1		11/29/11 03:44	460-00-4	
Toluene-d8 (S)	99	%	81-114	1		11/29/11 03:44	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW26D:G111711 **Lab ID: 5055090008** Collected: 11/17/11 15:40 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:06	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:06	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 12:35	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 12:35	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 04:20	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 04:20	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 04:20	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 04:20	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 04:20	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 04:20	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 04:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 04:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 04:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 04:20	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 04:20	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 04:20	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 04:20	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 04:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 04:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 04:20	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 04:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 04:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 04:20	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 04:20	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 04:20	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 04:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 04:20	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 04:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 04:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 04:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 04:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 04:20	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 04:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 04:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 04:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 04:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 04:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 04:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 04:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 04:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 04:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 04:20	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW26D:G111711 **Lab ID: 5055090008** Collected: 11/17/11 15:40 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 04:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 04:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 04:20	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 04:20	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 04:20	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 04:20	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 04:20	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 04:20	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 04:20	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 04:20	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 04:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 04:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 04:20	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 04:20	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 04:20	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 04:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 04:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 04:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 04:20	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 04:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 04:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 04:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 04:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 04:20	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 04:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 04:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 04:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 04:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 04:20	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 04:20	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 04:20	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 04:20	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%	83-123	1		11/29/11 04:20	1868-53-7	
4-Bromofluorobenzene (S)	99	%	72-125	1		11/29/11 04:20	460-00-4	
Toluene-d8 (S)	102	%	81-114	1		11/29/11 04:20	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW21S:G111811 **Lab ID: 5055090009** Collected: 11/18/11 09:25 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**0.11**	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:09	7440-38-2	
Lead	**0.27**	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:09	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 12:45	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 12:45	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 04:56	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 04:56	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 04:56	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 04:56	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 04:56	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 04:56	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 04:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 04:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 04:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 04:56	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 04:56	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 04:56	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 04:56	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 04:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 04:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 04:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 04:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 04:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 04:56	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 04:56	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 04:56	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 04:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 04:56	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 04:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 04:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 04:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 04:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 04:56	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 04:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 04:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 04:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 04:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 04:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 04:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 04:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 04:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 04:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 04:56	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW21S:G111811 **Lab ID: 5055090009** Collected: 11/18/11 09:25 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 04:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 04:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 04:56	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 04:56	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 04:56	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 04:56	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 04:56	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 04:56	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 04:56	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 04:56	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 04:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 04:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 04:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 04:56	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 04:56	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 04:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 04:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 04:56	79-34-5	
Tetrachloroethene	**5.0**	ug/L	5.0	1		11/29/11 04:56	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 04:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 04:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 04:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 04:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 04:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 04:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 04:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 04:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 04:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 04:56	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 04:56	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 04:56	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 04:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	83-123	1		11/29/11 04:56	1868-53-7	
4-Bromofluorobenzene (S)	98	%	72-125	1		11/29/11 04:56	460-00-4	
Toluene-d8 (S)	101	%	81-114	1		11/29/11 04:56	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW21D:G111811 **Lab ID: 5055090010** Collected: 11/18/11 08:50 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:20	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:20	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 12:55	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 12:55	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 06:40	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 06:40	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 06:40	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 06:40	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 06:40	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 06:40	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 06:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 06:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 06:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 06:40	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 06:40	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 06:40	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 06:40	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 06:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 06:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 06:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 06:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 06:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 06:40	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 06:40	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 06:40	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 06:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 06:40	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 06:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 06:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 06:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 06:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 06:40	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 06:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 06:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 06:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 06:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 06:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 06:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 06:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 06:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 06:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 06:40	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW21D:G111811 **Lab ID: 5055090010** Collected: 11/18/11 08:50 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 06:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 06:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 06:40	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 06:40	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 06:40	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 06:40	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 06:40	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 06:40	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 06:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 06:40	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 06:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 06:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 06:40	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 06:40	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 06:40	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 06:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 06:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 06:40	79-34-5	
Tetrachloroethene	**6.9**	ug/L	5.0	1		11/29/11 06:40	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 06:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 06:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 06:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 06:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 06:40	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 06:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 06:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 06:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 06:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 06:40	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 06:40	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 06:40	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 06:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	83-123	1		11/29/11 06:40	1868-53-7	
4-Bromofluorobenzene (S)	98	%	72-125	1		11/29/11 06:40	460-00-4	
Toluene-d8 (S)	94	%	81-114	1		11/29/11 06:40	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW21D:G111811A **Lab ID: 5055090011** Collected: 11/18/11 08:50 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:23	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:23	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 12:59	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 12:59	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 07:13	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 07:13	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 07:13	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 07:13	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 07:13	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 07:13	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 07:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 07:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 07:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 07:13	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 07:13	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 07:13	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 07:13	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 07:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 07:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 07:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 07:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 07:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 07:13	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 07:13	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 07:13	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 07:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 07:13	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 07:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 07:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 07:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 07:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 07:13	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 07:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 07:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 07:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 07:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 07:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 07:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 07:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 07:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 07:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 07:13	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW21D:G111811A **Lab ID: 5055090011** Collected: 11/18/11 08:50 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 07:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 07:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 07:13	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 07:13	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 07:13	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 07:13	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 07:13	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 07:13	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 07:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 07:13	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 07:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 07:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 07:13	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 07:13	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 07:13	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 07:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 07:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 07:13	79-34-5	
Tetrachloroethene	**7.8**	ug/L	5.0	1		11/29/11 07:13	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 07:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 07:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 07:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 07:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 07:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 07:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 07:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 07:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 07:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 07:13	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 07:13	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 07:13	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 07:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	111	%	83-123	1		11/29/11 07:13	1868-53-7	
4-Bromofluorobenzene (S)	103	%	72-125	1		11/29/11 07:13	460-00-4	
Toluene-d8 (S)	98	%	81-114	1		11/29/11 07:13	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW25S:G111811 **Lab ID: 5055090012** Collected: 11/18/11 10:20 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:27	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:27	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 13:02	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 13:02	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 07:50	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 07:50	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 07:50	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 07:50	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 07:50	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 07:50	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 07:50	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 07:50	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 07:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 07:50	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 07:50	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 07:50	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 07:50	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 07:50	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 07:50	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 07:50	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 07:50	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 07:50	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 07:50	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 07:50	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 07:50	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 07:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 07:50	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 07:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 07:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 07:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 07:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 07:50	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 07:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 07:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 07:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 07:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 07:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 07:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 07:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 07:50	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 07:50	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 07:50	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW25S:G111811 **Lab ID: 5055090012** Collected: 11/18/11 10:20 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 07:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 07:50	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 07:50	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 07:50	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 07:50	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 07:50	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 07:50	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 07:50	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 07:50	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 07:50	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 07:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 07:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 07:50	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 07:50	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 07:50	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 07:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 07:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 07:50	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 07:50	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 07:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 07:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 07:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 07:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 07:50	79-00-5	
Trichloroethene	**8.4**	ug/L	5.0	1		11/29/11 07:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 07:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 07:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 07:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 07:50	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 07:50	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 07:50	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 07:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	83-123	1		11/29/11 07:50	1868-53-7	
4-Bromofluorobenzene (S)	104	%	72-125	1		11/29/11 07:50	460-00-4	
Toluene-d8 (S)	97	%	81-114	1		11/29/11 07:50	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW25D:G111811 **Lab ID: 5055090013** Collected: 11/18/11 11:05 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:30	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:30	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 13:06	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 13:06	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 08:23	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 08:23	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 08:23	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 08:23	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 08:23	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 08:23	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 08:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 08:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 08:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 08:23	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 08:23	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 08:23	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 08:23	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 08:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 08:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 08:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 08:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 08:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 08:23	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 08:23	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 08:23	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 08:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 08:23	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 08:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 08:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 08:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 08:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 08:23	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 08:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 08:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 08:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 08:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 08:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 08:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 08:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 08:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 08:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 08:23	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW25D:G111811 **Lab ID: 5055090013** Collected: 11/18/11 11:05 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 08:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 08:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 08:23	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 08:23	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 08:23	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 08:23	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 08:23	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 08:23	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 08:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 08:23	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 08:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 08:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 08:23	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 08:23	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 08:23	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 08:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 08:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 08:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 08:23	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 08:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 08:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 08:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 08:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 08:23	79-00-5	
Trichloroethene	**15.1**	ug/L	5.0	1		11/29/11 08:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 08:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 08:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 08:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 08:23	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 08:23	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 08:23	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 08:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%	83-123	1		11/29/11 08:23	1868-53-7	
4-Bromofluorobenzene (S)	106	%	72-125	1		11/29/11 08:23	460-00-4	
Toluene-d8 (S)	101	%	81-114	1		11/29/11 08:23	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW20S:G111811 **Lab ID: 5055090014** Collected: 11/18/11 11:50 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:44	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:44	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 13:10	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 13:10	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 08:59	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 08:59	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 08:59	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 08:59	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 08:59	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 08:59	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 08:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 08:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 08:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 08:59	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 08:59	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 08:59	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 08:59	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 08:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 08:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 08:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 08:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 08:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 08:59	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 08:59	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 08:59	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 08:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 08:59	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 08:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 08:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 08:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 08:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 08:59	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 08:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 08:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 08:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 08:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 08:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 08:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 08:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 08:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 08:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 08:59	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW20S:G111811 **Lab ID: 5055090014** Collected: 11/18/11 11:50 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 08:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 08:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 08:59	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 08:59	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 08:59	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 08:59	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 08:59	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 08:59	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 08:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 08:59	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 08:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 08:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 08:59	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 08:59	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 08:59	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 08:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 08:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 08:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 08:59	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 08:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 08:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 08:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 08:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 08:59	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 08:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 08:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 08:59	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 08:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 08:59	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 08:59	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 08:59	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 08:59	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	83-123	1		11/29/11 08:59	1868-53-7	
4-Bromofluorobenzene (S)	102	%	72-125	1		11/29/11 08:59	460-00-4	
Toluene-d8 (S)	104	%	81-114	1		11/29/11 08:59	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW20D:G111811 **Lab ID: 5055090015** Collected: 11/18/11 12:35 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:48	7440-38-2	
Lead	**0.015**	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:48	7439-92-1	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	ND	mg/L	0.010	1	11/30/11 00:00	12/02/11 13:13	7440-38-2	
Lead, Dissolved	ND	mg/L	0.0050	1	11/30/11 00:00	12/02/11 13:13	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 09:32	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 09:32	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 09:32	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 09:32	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 09:32	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 09:32	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 09:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 09:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 09:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 09:32	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 09:32	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 09:32	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 09:32	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 09:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 09:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 09:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 09:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 09:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 09:32	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 09:32	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 09:32	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 09:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 09:32	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 09:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 09:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 09:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 09:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 09:32	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 09:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 09:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 09:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 09:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 09:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 09:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 09:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 09:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 09:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 09:32	563-58-6	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:MW20D:G111811 **Lab ID: 5055090015** Collected: 11/18/11 12:35 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 09:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 09:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 09:32	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 09:32	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 09:32	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 09:32	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 09:32	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 09:32	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 09:32	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 09:32	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 09:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 09:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 09:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 09:32	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 09:32	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 09:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 09:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 09:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 09:32	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 09:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 09:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 09:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 09:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 09:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 09:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 09:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 09:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 09:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 09:32	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 09:32	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 09:32	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 09:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%	83-123	1		11/29/11 09:32	1868-53-7	
4-Bromofluorobenzene (S)	100	%	72-125	1		11/29/11 09:32	460-00-4	
Toluene-d8 (S)	99	%	81-114	1		11/29/11 09:32	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:EB1:W111711 **Lab ID: 5055090016** Collected: 11/17/11 17:30 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:51	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:51	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 10:07	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 10:07	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 10:07	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 10:07	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 10:07	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 10:07	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 10:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 10:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 10:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 10:07	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 10:07	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 10:07	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 10:07	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 10:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 10:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 10:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 10:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 10:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 10:07	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 10:07	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 10:07	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 10:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 10:07	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 10:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 10:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 10:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 10:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 10:07	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 10:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 10:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 10:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 10:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 10:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 10:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 10:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 10:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 10:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 10:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 10:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 10:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 10:07	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 10:07	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 10:07	87-68-3	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:EB1:W111711 **Lab ID: 5055090016** Collected: 11/17/11 17:30 Received: 11/22/11 11:15 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		11/29/11 10:07	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 10:07	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 10:07	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 10:07	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 10:07	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 10:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 10:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 10:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 10:07	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 10:07	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 10:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 10:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 10:07	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 10:07	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 10:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 10:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 10:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 10:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 10:07	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 10:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 10:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 10:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 10:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 10:07	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 10:07	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 10:07	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 10:07	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	83-123	1		11/29/11 10:07	1868-53-7	
4-Bromofluorobenzene (S)	98	%	72-125	1		11/29/11 10:07	460-00-4	
Toluene-d8 (S)	102	%	81-114	1		11/29/11 10:07	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:EB2:W111811 **Lab ID: 5055090017** Collected: 11/18/11 08:30 Received: 11/22/11 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:55	7440-38-2	
Lead	ND	mg/L	0.010	1	11/30/11 00:00	12/01/11 13:55	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/29/11 10:44	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 10:44	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 10:44	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 10:44	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 10:44	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 10:44	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 10:44	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 10:44	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 10:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 10:44	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 10:44	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 10:44	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 10:44	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 10:44	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 10:44	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 10:44	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 10:44	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 10:44	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 10:44	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 10:44	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 10:44	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 10:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 10:44	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 10:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 10:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 10:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 10:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 10:44	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 10:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 10:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 10:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 10:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 10:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 10:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 10:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 10:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 10:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 10:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 10:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 10:44	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 10:44	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 10:44	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 10:44	87-68-3	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:EB2:W111811 **Lab ID: 5055090017** Collected: 11/18/11 08:30 Received: 11/22/11 11:15 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		11/29/11 10:44	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 10:44	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 10:44	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 10:44	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/29/11 10:44	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 10:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 10:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 10:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 10:44	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 10:44	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 10:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 10:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 10:44	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 10:44	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 10:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 10:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 10:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 10:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 10:44	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 10:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 10:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 10:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 10:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 10:44	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 10:44	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 10:44	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 10:44	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	83-123	1		11/29/11 10:44	1868-53-7	
4-Bromofluorobenzene (S)	102	%	72-125	1		11/29/11 10:44	460-00-4	
Toluene-d8 (S)	100	%	81-114	1		11/29/11 10:44	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:TB1:W111711 **Lab ID: 5055090018** Collected: 11/17/11 08:00 Received: 11/22/11 11:15 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		11/29/11 14:02	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 14:02	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 14:02	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 14:02	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 14:02	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 14:02	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 14:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 14:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 14:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 14:02	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 14:02	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 14:02	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 14:02	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 14:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 14:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 14:02	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 14:02	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 14:02	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 14:02	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 14:02	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 14:02	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 14:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 14:02	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 14:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 14:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 14:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 14:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 14:02	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 14:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 14:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 14:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 14:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 14:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 14:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 14:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 14:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 14:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 14:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 14:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 14:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 14:02	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 14:02	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 14:02	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 14:02	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 14:02	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 14:02	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 14:02	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:TB1:W111711 **Lab ID: 5055090018** Collected: 11/17/11 08:00 Received: 11/22/11 11:15 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		11/29/11 14:02	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 14:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 14:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 14:02	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 14:02	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 14:02	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 14:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 14:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 14:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 14:02	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 14:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 14:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 14:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 14:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 14:02	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 14:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 14:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 14:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 14:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 14:02	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 14:02	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 14:02	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 14:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	83-123	1		11/29/11 14:02	1868-53-7	
4-Bromofluorobenzene (S)	101	%	72-125	1		11/29/11 14:02	460-00-4	
Toluene-d8 (S)	105	%	81-114	1		11/29/11 14:02	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:TB2:W111811 **Lab ID: 5055090019** Collected: 11/18/11 08:00 Received: 11/22/11 11:15 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		11/29/11 14:37	67-64-1	
Acrolein	ND	ug/L	100	1		11/29/11 14:37	107-02-8	
Acrylonitrile	ND	ug/L	100	1		11/29/11 14:37	107-13-1	
Benzene	ND	ug/L	5.0	1		11/29/11 14:37	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/29/11 14:37	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/29/11 14:37	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/29/11 14:37	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/29/11 14:37	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/29/11 14:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/29/11 14:37	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		11/29/11 14:37	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/29/11 14:37	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/29/11 14:37	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		11/29/11 14:37	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/29/11 14:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/29/11 14:37	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/29/11 14:37	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/29/11 14:37	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/29/11 14:37	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 14:37	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/29/11 14:37	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		11/29/11 14:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/29/11 14:37	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/29/11 14:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 14:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 14:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/29/11 14:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		11/29/11 14:37	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/29/11 14:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/29/11 14:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/29/11 14:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/29/11 14:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 14:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/29/11 14:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 14:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/29/11 14:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/29/11 14:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/29/11 14:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 14:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/29/11 14:37	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/29/11 14:37	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		11/29/11 14:37	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 14:37	87-68-3	
n-Hexane	ND	ug/L	5.0	1		11/29/11 14:37	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		11/29/11 14:37	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/29/11 14:37	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/29/11 14:37	98-82-8	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: SBI066
Pace Project No.: 5055090

Sample: SBI066:TB2:W111811 **Lab ID: 5055090019** Collected: 11/18/11 08:00 Received: 11/22/11 11:15 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		11/29/11 14:37	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/29/11 14:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/29/11 14:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/29/11 14:37	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/29/11 14:37	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/29/11 14:37	103-65-1	
Styrene	ND	ug/L	5.0	1		11/29/11 14:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 14:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/29/11 14:37	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/29/11 14:37	127-18-4	
Toluene	ND	ug/L	5.0	1		11/29/11 14:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 14:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/29/11 14:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/29/11 14:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/29/11 14:37	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/29/11 14:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/29/11 14:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/29/11 14:37	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 14:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/29/11 14:37	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		11/29/11 14:37	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		11/29/11 14:37	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/29/11 14:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	83-123	1		11/29/11 14:37	1868-53-7	
4-Bromofluorobenzene (S)	99	%	72-125	1		11/29/11 14:37	460-00-4	
Toluene-d8 (S)	98	%	81-114	1		11/29/11 14:37	2037-26-5	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

QC Batch: MPRP/8296 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 5055090001, 5055090002, 5055090003, 5055090004, 5055090005, 5055090006, 5055090007, 5055090008, 5055090009, 5055090010, 5055090011, 5055090012, 5055090013, 5055090014, 5055090015, 5055090016, 5055090017

METHOD BLANK: 653322 Matrix: Water
Associated Lab Samples: 5055090001, 5055090002, 5055090003, 5055090004, 5055090005, 5055090006, 5055090007, 5055090008, 5055090009, 5055090010, 5055090011, 5055090012, 5055090013, 5055090014, 5055090015, 5055090016, 5055090017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.010	12/01/11 11:47	
Lead	mg/L	ND	0.010	12/01/11 11:47	

LABORATORY CONTROL SAMPLE: 653323

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1	1.0	101	80-120	
Lead	mg/L	1	0.99	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 653324 653325

Parameter	Units	5055090002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	1	1	1.0	1.0	102	102	75-125	0	20	
Lead	mg/L	ND	1	1	0.98	0.98	97	97	75-125	.03	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 653326 653327

Parameter	Units	5055090009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.11	1	1	1.1	1.1	99	100	75-125	1	20	
Lead	mg/L	0.27	1	1	1.2	1.2	93	94	75-125	.2	20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

QC Batch: MPRP/8300 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 5055090001, 5055090002, 5055090003, 5055090004, 5055090005, 5055090006, 5055090007, 5055090008, 5055090009, 5055090010, 5055090011, 5055090012, 5055090013, 5055090014, 5055090015

METHOD BLANK: 653606 Matrix: Water
Associated Lab Samples: 5055090001, 5055090002, 5055090003, 5055090004, 5055090005, 5055090006, 5055090007, 5055090008, 5055090009, 5055090010, 5055090011, 5055090012, 5055090013, 5055090014, 5055090015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	mg/L	ND	0.010	12/02/11 11:39	
Lead, Dissolved	mg/L	ND	0.0050	12/02/11 11:39	

LABORATORY CONTROL SAMPLE: 653607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	mg/L	1	0.99	99	80-120	
Lead, Dissolved	mg/L	1	0.99	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 653608 653609

Parameter	Units	5055090002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	mg/L	ND	1	1	1.0	1.0	100	100	75-125	.3	20	
Lead, Dissolved	mg/L	ND	1	1	0.98	0.99	98	99	75-125	.4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 653610 653611

Parameter	Units	5055090009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	mg/L	ND	1	1	1.0	1.0	100	101	75-125	.5	20	
Lead, Dissolved	mg/L	ND	1	1	0.99	0.99	98	99	75-125	.4	20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

QC Batch: MSV/37634 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5055090001, 5055090002

METHOD BLANK: 652770 Matrix: Water
Associated Lab Samples: 5055090001, 5055090002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/28/11 12:45	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/28/11 12:45	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/28/11 12:45	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/28/11 12:45	
1,1-Dichloroethane	ug/L	ND	5.0	11/28/11 12:45	
1,1-Dichloroethene	ug/L	ND	5.0	11/28/11 12:45	
1,1-Dichloropropene	ug/L	ND	5.0	11/28/11 12:45	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/28/11 12:45	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/28/11 12:45	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/28/11 12:45	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/28/11 12:45	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/28/11 12:45	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/28/11 12:45	
1,2-Dichloroethane	ug/L	ND	5.0	11/28/11 12:45	
1,2-Dichloropropane	ug/L	ND	5.0	11/28/11 12:45	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/28/11 12:45	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/28/11 12:45	
1,3-Dichloropropane	ug/L	ND	5.0	11/28/11 12:45	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/28/11 12:45	
2,2-Dichloropropane	ug/L	ND	5.0	11/28/11 12:45	
2-Butanone (MEK)	ug/L	ND	25.0	11/28/11 12:45	
2-Chlorotoluene	ug/L	ND	5.0	11/28/11 12:45	
2-Hexanone	ug/L	ND	25.0	11/28/11 12:45	
4-Chlorotoluene	ug/L	ND	5.0	11/28/11 12:45	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/28/11 12:45	
Acetone	ug/L	ND	100	11/28/11 12:45	
Acrolein	ug/L	ND	100	11/28/11 12:45	
Acrylonitrile	ug/L	ND	100	11/28/11 12:45	
Benzene	ug/L	ND	5.0	11/28/11 12:45	
Bromobenzene	ug/L	ND	5.0	11/28/11 12:45	
Bromochloromethane	ug/L	ND	5.0	11/28/11 12:45	
Bromodichloromethane	ug/L	ND	5.0	11/28/11 12:45	
Bromoform	ug/L	ND	5.0	11/28/11 12:45	
Bromomethane	ug/L	ND	5.0	11/28/11 12:45	
Carbon disulfide	ug/L	ND	10.0	11/28/11 12:45	
Carbon tetrachloride	ug/L	ND	5.0	11/28/11 12:45	
Chlorobenzene	ug/L	ND	5.0	11/28/11 12:45	
Chloroethane	ug/L	ND	5.0	11/28/11 12:45	
Chloroform	ug/L	ND	5.0	11/28/11 12:45	
Chloromethane	ug/L	ND	5.0	11/28/11 12:45	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/28/11 12:45	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/28/11 12:45	
Dibromochloromethane	ug/L	ND	5.0	11/28/11 12:45	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

METHOD BLANK: 652770 Matrix: Water

Associated Lab Samples: 5055090001, 5055090002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	5.0	11/28/11 12:45	
Dichlorodifluoromethane	ug/L	ND	5.0	11/28/11 12:45	
Ethyl methacrylate	ug/L	ND	100	11/28/11 12:45	
Ethylbenzene	ug/L	ND	5.0	11/28/11 12:45	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/28/11 12:45	
Iodomethane	ug/L	ND	10.0	11/28/11 12:45	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/28/11 12:45	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/28/11 12:45	
Methylene Chloride	ug/L	ND	5.0	11/28/11 12:45	
n-Butylbenzene	ug/L	ND	5.0	11/28/11 12:45	
n-Hexane	ug/L	ND	5.0	11/28/11 12:45	N2
n-Propylbenzene	ug/L	ND	5.0	11/28/11 12:45	
Naphthalene	ug/L	ND	5.0	11/28/11 12:45	
p-Isopropyltoluene	ug/L	ND	5.0	11/28/11 12:45	
sec-Butylbenzene	ug/L	ND	5.0	11/28/11 12:45	
Styrene	ug/L	ND	5.0	11/28/11 12:45	
tert-Butylbenzene	ug/L	ND	5.0	11/28/11 12:45	
Tetrachloroethene	ug/L	ND	5.0	11/28/11 12:45	
Toluene	ug/L	ND	5.0	11/28/11 12:45	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/28/11 12:45	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/28/11 12:45	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/28/11 12:45	
Trichloroethene	ug/L	ND	5.0	11/28/11 12:45	
Trichlorofluoromethane	ug/L	ND	5.0	11/28/11 12:45	
Vinyl acetate	ug/L	ND	50.0	11/28/11 12:45	
Vinyl chloride	ug/L	ND	2.0	11/28/11 12:45	
Xylene (Total)	ug/L	ND	10.0	11/28/11 12:45	
4-Bromofluorobenzene (S)	%	101	72-125	11/28/11 12:45	
Dibromofluoromethane (S)	%	98	83-123	11/28/11 12:45	
Toluene-d8 (S)	%	100	81-114	11/28/11 12:45	

LABORATORY CONTROL SAMPLE: 652771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.3	101	69-122	
1,1,1-Trichloroethane	ug/L	50	39.6	79	69-126	
1,1,2,2-Tetrachloroethane	ug/L	50	49.5	99	68-134	
1,1,2-Trichloroethane	ug/L	50	48.2	96	77-129	
1,1-Dichloroethane	ug/L	50	41.7	83	70-127	
1,1-Dichloroethene	ug/L	50	47.7	95	75-145	
1,1-Dichloropropene	ug/L	50	47.8	96	75-126	
1,2,3-Trichlorobenzene	ug/L	50	48.7	97	63-130	
1,2,3-Trichloropropane	ug/L	100	92.4	92	45-121	
1,2,4-Trichlorobenzene	ug/L	50	51.3	103	64-122	
1,2,4-Trimethylbenzene	ug/L	50	50.6	101	68-129	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

LABORATORY CONTROL SAMPLE: 652771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	47.0	94	77-123	
1,2-Dichlorobenzene	ug/L	50	51.1	102	74-123	
1,2-Dichloroethane	ug/L	50	46.9	94	71-127	
1,2-Dichloropropane	ug/L	50	42.0	84	75-126	
1,3,5-Trimethylbenzene	ug/L	50	48.9	98	69-129	
1,3-Dichlorobenzene	ug/L	50	51.9	104	76-123	
1,3-Dichloropropane	ug/L	50	46.8	94	77-126	
1,4-Dichlorobenzene	ug/L	50	49.2	98	77-121	
2,2-Dichloropropane	ug/L	50	44.5	89	45-138	
2-Butanone (MEK)	ug/L	250	207	83	42-177	
2-Chlorotoluene	ug/L	50	50.4	101	74-129	
2-Hexanone	ug/L	250	224	90	57-162	
4-Chlorotoluene	ug/L	50	52.6	105	70-125	
4-Methyl-2-pentanone (MIBK)	ug/L	250	237	95	64-135	
Acetone	ug/L	250	232	93	10-200	
Acrolein	ug/L	1000	2010	201	10-200	L3
Acrylonitrile	ug/L	1000	944	94	59-144	
Benzene	ug/L	50	47.3	95	76-123	
Bromobenzene	ug/L	50	59.3	119	67-130	
Bromochloromethane	ug/L	50	54.1	108	58-153	
Bromodichloromethane	ug/L	50	42.7	85	71-124	
Bromoform	ug/L	50	42.5	85	64-116	
Bromomethane	ug/L	50	46.6	93	23-197	
Carbon disulfide	ug/L	100	94.2	94	55-146	
Carbon tetrachloride	ug/L	50	43.0	86	65-125	
Chlorobenzene	ug/L	50	50.5	101	78-120	
Chloroethane	ug/L	50	44.3	89	56-163	
Chloroform	ug/L	50	47.2	94	73-122	
Chloromethane	ug/L	50	32.2	64	46-146	
cis-1,2-Dichloroethene	ug/L	50	45.3	91	79-129	
cis-1,3-Dichloropropene	ug/L	50	46.9	94	66-123	
Dibromochloromethane	ug/L	50	42.8	86	70-123	
Dibromomethane	ug/L	50	44.8	90	73-123	
Dichlorodifluoromethane	ug/L	50	35.3	71	19-200	
Ethyl methacrylate	ug/L	200	186	93	70-127	
Ethylbenzene	ug/L	50	49.7	99	75-120	
Hexachloro-1,3-butadiene	ug/L	50	51.6	103	64-131	
Iodomethane	ug/L	100	79.3	79	16-181	
Isopropylbenzene (Cumene)	ug/L	50	49.8	100	73-123	
Methyl-tert-butyl ether	ug/L	100	100	100	66-128	
Methylene Chloride	ug/L	50	46.8	94	61-138	
n-Butylbenzene	ug/L	50	51.2	102	69-130	
n-Hexane	ug/L	50	35.8	72	67-142	N2
n-Propylbenzene	ug/L	50	51.0	102	71-132	
Naphthalene	ug/L	50	44.3	89	62-130	
p-Isopropyltoluene	ug/L	50	51.9	104	71-126	
sec-Butylbenzene	ug/L	50	48.5	97	69-130	
Styrene	ug/L	50	51.5	103	75-125	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

LABORATORY CONTROL SAMPLE: 652771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	48.0	96	49-114	
Tetrachloroethene	ug/L	50	51.0	102	57-125	
Toluene	ug/L	50	50.4	101	72-124	
trans-1,2-Dichloroethene	ug/L	50	50.4	101	71-145	
trans-1,3-Dichloropropene	ug/L	50	46.7	93	58-118	
trans-1,4-Dichloro-2-butene	ug/L	200	193	97	50-121	
Trichloroethene	ug/L	50	42.8	86	77-122	
Trichlorofluoromethane	ug/L	50	45.6	91	56-159	
Vinyl acetate	ug/L	200	214	107	27-119	
Vinyl chloride	ug/L	50	43.3	87	61-146	
Xylene (Total)	ug/L	150	148	99	72-126	
4-Bromofluorobenzene (S)	%			96	72-125	
Dibromofluoromethane (S)	%			100	83-123	
Toluene-d8 (S)	%			102	81-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 652772 652773

Parameter	Units	5055061001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	64.9	57.2	130	114	30-122	13	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	54.6	51.5	109	103	37-136	6	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	68.1	59.1	136	118	47-132	14	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	63.8	58.3	128	117	53-131	9	20	
1,1-Dichloroethane	ug/L	ND	50	50	52.2	48.9	104	98	47-138	6	20	
1,1-Dichloroethene	ug/L	ND	50	50	69.7	60.0	139	120	54-152	15	20	
1,1-Dichloropropene	ug/L	ND	50	50	65.7	58.3	131	117	47-136	12	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	64.9	57.7	130	115	15-132	12	20	
1,2,3-Trichloropropane	ug/L	ND	100	100	119	103	119	103	24-108	15	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	68.1	58.9	136	118	10-130	14	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	69.0	60.2	138	120	10-141	14	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	59.6	54.7	119	109	49-130	9	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	69.6	61.9	139	124	20-137	12	20	
1,2-Dichloroethane	ug/L	ND	50	50	60.9	55.6	122	111	42-139	9	20	
1,2-Dichloropropane	ug/L	ND	50	50	59.3	53.2	119	106	50-131	11	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	66.8	56.5	134	113	10-145	17	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	71.2	60.5	142	121	13-143	16	20	
1,3-Dichloropropane	ug/L	ND	50	50	59.8	51.6	120	103	53-130	15	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	67.7	57.8	135	116	13-140	16	20	
2,2-Dichloropropane	ug/L	ND	50	50	63.0	55.8	126	112	13-142	12	20	
2-Butanone (MEK)	ug/L	ND	250	250	183	160	73	64	43-142	14	20	
2-Chlorotoluene	ug/L	ND	50	50	67.8	60.0	136	120	15-145	12	20	
2-Hexanone	ug/L	ND	250	250	198	185	79	74	46-139	7	20	
4-Chlorotoluene	ug/L	ND	50	50	71.4	58.0	143	116	12-143	21	20	R1
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	302	262	121	105	43-140	14	20	
Acetone	ug/L	ND	250	250	136	121	54	49	38-155	12	20	
Acrolein	ug/L	ND	1000	1000	2170	1880	217	188	11-200	14	20	
Acrylonitrile	ug/L	ND	1000	1000	1310	1170	131	117	42-150	12	20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 652772 652773

Parameter	Units	5055061001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	64.2	58.2	128	116	52-134	10	20	
Bromobenzene	ug/L	ND	50	50	62.6	54.8	125	110	25-140	13	20	
Bromochloromethane	ug/L	ND	50	50	73.8	67.7	148	135	54-144	9	20	
Bromodichloromethane	ug/L	ND	50	50	57.5	52.7	115	105	42-128	9	20	
Bromoform	ug/L	ND	50	50	52.8	48.8	106	98	34-116	8	20	
Bromomethane	ug/L	ND	50	50	63.8	58.9	128	118	10-200	8	20	
Carbon disulfide	ug/L	ND	100	100	133	118	133	118	43-144	12	20	
Carbon tetrachloride	ug/L	ND	50	50	57.6	52.3	115	105	26-136	10	20	
Chlorobenzene	ug/L	ND	50	50	65.0	58.2	130	116	33-136	11	20	
Chloroethane	ug/L	ND	50	50	63.4	54.8	127	110	21-200	15	20	
Chloroform	ug/L	ND	50	50	61.7	56.6	123	113	50-134	9	20	
Chloromethane	ug/L	ND	50	50	47.5	42.2	95	84	32-160	12	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	63.3	57.6	127	115	48-145	9	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	60.4	54.0	121	108	35-116	11	20	
Dibromochloromethane	ug/L	ND	50	50	55.3	50.4	111	101	39-122	9	20	
Dibromomethane	ug/L	ND	50	50	60.4	55.3	121	111	49-134	9	20	
Dichlorodifluoromethane	ug/L	ND	50	50	52.2	48.4	104	97	35-200	8	20	
Ethyl methacrylate	ug/L	ND	200	200	243	214	122	107	54-123	13	20	
Ethylbenzene	ug/L	ND	50	50	66.4	59.5	133	119	29-132	11	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	69.7	61.4	139	123	10-146	13	20	
Iodomethane	ug/L	ND	100	100	111	104	111	104	10-171	6	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	63.7	58.5	127	117	11-146	9	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	135	122	135	122	39-137	10	20	
Methylene Chloride	ug/L	ND	50	50	64.0	59.9	128	120	47-141	7	20	
n-Butylbenzene	ug/L	ND	50	50	69.5	61.3	139	123	10-156	13	20	
n-Hexane	ug/L	ND	50	50	48.7	49.9	97	100	51-137	2	20	N2
n-Propylbenzene	ug/L	ND	50	50	66.4	60.9	133	122	10-148	9	20	
Naphthalene	ug/L	ND	50	50	61.0	53.3	122	107	40-124	13	20	
p-Isopropyltoluene	ug/L	ND	50	50	71.1	61.4	142	123	10-150	15	20	
sec-Butylbenzene	ug/L	ND	50	50	65.1	58.0	130	116	10-150	11	20	
Styrene	ug/L	ND	50	50	66.7	58.0	133	116	20-143	14	20	
tert-Butylbenzene	ug/L	ND	50	50	63.2	58.1	126	116	10-123	8	20	
Tetrachloroethene	ug/L	ND	50	50	68.5	58.5	137	117	30-124	16	20	
Toluene	ug/L	ND	50	50	66.1	58.0	132	116	42-130	13	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	66.4	62.5	133	125	48-144	6	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	59.5	51.8	119	104	24-114	14	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	255	217	127	108	22-120	16	20	
Trichloroethene	ug/L	ND	50	50	57.3	52.7	115	105	44-130	8	20	
Trichlorofluoromethane	ug/L	ND	50	50	62.5	57.3	125	115	17-200	9	20	
Vinyl acetate	ug/L	ND	200	200	260	246	130	123	10-115	6	20	M0
Vinyl chloride	ug/L	ND	50	50	60.5	54.7	121	109	45-159	10	20	
Xylene (Total)	ug/L	ND	150	150	195	170	130	113	29-131	14	20	
4-Bromofluorobenzene (S)	%						97	94	72-125		20	
Dibromofluoromethane (S)	%						102	102	83-123		20	1d
Toluene-d8 (S)	%						102	99	81-114		20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 652774 652775

Parameter	Units	5055090002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	48.3	48.6	97	97	30-122	.5	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	46.9	47.3	94	95	37-136	.8	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	55.8	55.5	112	111	47-132	.6	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	52.6	52.7	105	105	53-131	.1	20	
1,1-Dichloroethane	ug/L	ND	50	50	48.2	47.8	96	96	47-138	1	20	
1,1-Dichloroethene	ug/L	ND	50	50	59.3	57.3	119	115	54-152	4	20	
1,1-Dichloropropene	ug/L	ND	50	50	50.1	52.0	100	104	47-136	4	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	44.5	42.6	89	85	15-132	4	20	
1,2,3-Trichloropropane	ug/L	ND	100	100	93.3	93.0	93	93	24-108	.4	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	42.3	42.5	85	85	10-130	.4	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	42.2	40.4	84	81	10-141	4	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	50.6	49.3	101	99	49-130	3	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	46.7	47.9	93	96	20-137	3	20	
1,2-Dichloroethane	ug/L	ND	50	50	54.4	53.6	109	107	42-139	1	20	
1,2-Dichloropropane	ug/L	ND	50	50	50.9	49.0	102	98	50-131	4	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	41.0	38.6	82	77	10-145	6	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	44.0	44.6	88	89	13-143	1	20	
1,3-Dichloropropane	ug/L	ND	50	50	49.5	49.5	99	99	53-130	.000	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	41.5	40.2	83	80	13-140	3	20	
2,2-Dichloropropane	ug/L	ND	50	50	50.2	52.0	100	104	13-142	4	20	
2-Butanone (MEK)	ug/L	ND	250	250	160	161	64	64	43-142	.4	20	
2-Chlorotoluene	ug/L	ND	50	50	42.6	41.6	85	83	15-145	2	20	
2-Hexanone	ug/L	ND	250	250	187	178	75	71	46-139	5	20	
4-Chlorotoluene	ug/L	ND	50	50	43.9	43.0	88	86	12-143	2	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	257	263	103	105	43-140	2	20	
Acetone	ug/L	ND	250	250	116	114	46	46	38-155	2	20	
Acrolein	ug/L	ND	1000	1000	1890	1810	189	181	11-200	4	20	
Acrylonitrile	ug/L	ND	1000	1000	1190	1170	119	117	42-150	1	20	
Benzene	ug/L	ND	50	50	53.1	53.4	106	107	52-134	.6	20	
Bromobenzene	ug/L	ND	50	50	57.4	41.3	115	83	25-140	33	20	R1
Bromochloromethane	ug/L	ND	50	50	61.1	62.4	122	125	54-144	2	20	
Bromodichloromethane	ug/L	ND	50	50	48.8	49.5	98	99	42-128	1	20	
Bromoform	ug/L	ND	50	50	39.6	41.8	79	84	34-116	5	20	
Bromomethane	ug/L	ND	50	50	52.5	54.2	105	108	10-200	3	20	
Carbon disulfide	ug/L	ND	100	100	110	106	110	106	43-144	3	20	
Carbon tetrachloride	ug/L	ND	50	50	43.8	46.4	88	93	26-136	6	20	
Chlorobenzene	ug/L	ND	50	50	47.0	45.6	94	91	33-136	3	20	
Chloroethane	ug/L	ND	50	50	54.9	52.8	110	106	21-200	4	20	
Chloroform	ug/L	ND	50	50	54.4	53.4	109	107	50-134	2	20	
Chloromethane	ug/L	ND	50	50	41.0	41.7	82	83	32-160	2	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	51.6	52.9	103	106	48-145	2	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	47.2	47.6	94	95	35-116	.8	20	
Dibromochloromethane	ug/L	ND	50	50	44.9	44.3	90	89	39-122	1	20	
Dibromomethane	ug/L	ND	50	50	51.5	52.4	103	105	49-134	2	20	
Dichlorodifluoromethane	ug/L	ND	50	50	46.7	46.9	93	94	35-200	.3	20	
Ethyl methacrylate	ug/L	ND	200	200	207	203	103	101	54-123	2	20	
Ethylbenzene	ug/L	ND	50	50	44.6	44.0	89	88	29-132	1	20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 652774 652775

Parameter	Units	5055090002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Hexachloro-1,3-butadiene	ug/L	ND	50	50	34.7	32.9	69	66	10-146	5	20	
Iodomethane	ug/L	ND	100	100	92.1	93.8	92	94	10-171	2	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	44.3	40.2	89	80	11-146	10	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	122	122	122	122	39-137	.7	20	
Methylene Chloride	ug/L	ND	50	50	54.4	55.6	109	111	47-141	2	20	
n-Butylbenzene	ug/L	ND	50	50	35.7	36.1	71	72	10-156	1	20	
n-Hexane	ug/L	ND	50	50	36.6	38.7	73	77	51-137	6	20	N2
n-Propylbenzene	ug/L	ND	50	50	40.2	39.1	80	78	10-148	3	20	
Naphthalene	ug/L	ND	50	50	49.1	47.9	94	92	40-124	2	20	
p-Isopropyltoluene	ug/L	ND	50	50	39.3	37.9	79	76	10-150	3	20	
sec-Butylbenzene	ug/L	ND	50	50	38.5	37.3	77	75	10-150	3	20	
Styrene	ug/L	ND	50	50	46.6	47.1	93	94	20-143	1	20	
tert-Butylbenzene	ug/L	ND	50	50	41.1	39.2	82	78	10-123	5	20	
Tetrachloroethene	ug/L	ND	50	50	45.7	45.0	91	90	30-124	2	20	
Toluene	ug/L	ND	50	50	48.8	48.8	98	98	42-130	.003	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.5	56.6	109	113	48-144	4	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	46.5	45.9	93	92	24-114	1	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	213	195	106	98	22-120	9	20	
Trichloroethene	ug/L	ND	50	50	47.1	47.2	94	94	44-130	.04	20	
Trichlorofluoromethane	ug/L	ND	50	50	56.0	54.2	112	108	17-200	3	20	
Vinyl acetate	ug/L	ND	200	200	234	234	117	117	10-115	.04	20	M0
Vinyl chloride	ug/L	ND	50	50	52.2	51.9	104	104	45-159	.5	20	
Xylene (Total)	ug/L	ND	150	150	133	131	89	88	29-131	1	20	
4-Bromofluorobenzene (S)	%						97	95	72-125		20	
Dibromofluoromethane (S)	%						103	104	83-123		20	
Toluene-d8 (S)	%						97	99	81-114		20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

QC Batch: MSV/37636 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5055090003, 5055090004, 5055090005, 5055090006, 5055090007, 5055090008, 5055090009, 5055090010, 5055090011, 5055090012, 5055090013, 5055090014, 5055090015, 5055090016, 5055090017

METHOD BLANK: 652782 Matrix: Water
Associated Lab Samples: 5055090003, 5055090004, 5055090005, 5055090006, 5055090007, 5055090008, 5055090009, 5055090010, 5055090011, 5055090012, 5055090013, 5055090014, 5055090015, 5055090016, 5055090017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/29/11 00:57	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/29/11 00:57	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/29/11 00:57	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/29/11 00:57	
1,1-Dichloroethane	ug/L	ND	5.0	11/29/11 00:57	
1,1-Dichloroethene	ug/L	ND	5.0	11/29/11 00:57	
1,1-Dichloropropene	ug/L	ND	5.0	11/29/11 00:57	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/29/11 00:57	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/29/11 00:57	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/29/11 00:57	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/29/11 00:57	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/29/11 00:57	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/29/11 00:57	
1,2-Dichloroethane	ug/L	ND	5.0	11/29/11 00:57	
1,2-Dichloropropane	ug/L	ND	5.0	11/29/11 00:57	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/29/11 00:57	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/29/11 00:57	
1,3-Dichloropropane	ug/L	ND	5.0	11/29/11 00:57	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/29/11 00:57	
2,2-Dichloropropane	ug/L	ND	5.0	11/29/11 00:57	
2-Butanone (MEK)	ug/L	ND	25.0	11/29/11 00:57	
2-Chlorotoluene	ug/L	ND	5.0	11/29/11 00:57	
2-Hexanone	ug/L	ND	25.0	11/29/11 00:57	
4-Chlorotoluene	ug/L	ND	5.0	11/29/11 00:57	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/29/11 00:57	
Acetone	ug/L	ND	100	11/29/11 00:57	
Acrolein	ug/L	ND	100	11/29/11 00:57	
Acrylonitrile	ug/L	ND	100	11/29/11 00:57	
Benzene	ug/L	ND	5.0	11/29/11 00:57	
Bromobenzene	ug/L	ND	5.0	11/29/11 00:57	
Bromochloromethane	ug/L	ND	5.0	11/29/11 00:57	
Bromodichloromethane	ug/L	ND	5.0	11/29/11 00:57	
Bromoform	ug/L	ND	5.0	11/29/11 00:57	
Bromomethane	ug/L	ND	5.0	11/29/11 00:57	
Carbon disulfide	ug/L	ND	10.0	11/29/11 00:57	
Carbon tetrachloride	ug/L	ND	5.0	11/29/11 00:57	
Chlorobenzene	ug/L	ND	5.0	11/29/11 00:57	
Chloroethane	ug/L	ND	5.0	11/29/11 00:57	
Chloroform	ug/L	ND	5.0	11/29/11 00:57	
Chloromethane	ug/L	ND	5.0	11/29/11 00:57	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/29/11 00:57	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

METHOD BLANK: 652782 Matrix: Water

Associated Lab Samples: 5055090003, 5055090004, 5055090005, 5055090006, 5055090007, 5055090008, 5055090009, 5055090010, 5055090011, 5055090012, 5055090013, 5055090014, 5055090015, 5055090016, 5055090017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/29/11 00:57	
Dibromochloromethane	ug/L	ND	5.0	11/29/11 00:57	
Dibromomethane	ug/L	ND	5.0	11/29/11 00:57	
Dichlorodifluoromethane	ug/L	ND	5.0	11/29/11 00:57	
Ethyl methacrylate	ug/L	ND	100	11/29/11 00:57	
Ethylbenzene	ug/L	ND	5.0	11/29/11 00:57	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/29/11 00:57	
Iodomethane	ug/L	ND	10.0	11/29/11 00:57	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/29/11 00:57	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/29/11 00:57	
Methylene Chloride	ug/L	ND	5.0	11/29/11 00:57	
n-Butylbenzene	ug/L	ND	5.0	11/29/11 00:57	
n-Hexane	ug/L	ND	5.0	11/29/11 00:57	N2
n-Propylbenzene	ug/L	ND	5.0	11/29/11 00:57	
Naphthalene	ug/L	ND	5.0	11/29/11 00:57	
p-Isopropyltoluene	ug/L	ND	5.0	11/29/11 00:57	
sec-Butylbenzene	ug/L	ND	5.0	11/29/11 00:57	
Styrene	ug/L	ND	5.0	11/29/11 00:57	
tert-Butylbenzene	ug/L	ND	5.0	11/29/11 00:57	
Tetrachloroethene	ug/L	ND	5.0	11/29/11 00:57	
Toluene	ug/L	ND	5.0	11/29/11 00:57	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/29/11 00:57	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/29/11 00:57	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/29/11 00:57	
Trichloroethene	ug/L	ND	5.0	11/29/11 00:57	
Trichlorofluoromethane	ug/L	ND	5.0	11/29/11 00:57	
Vinyl acetate	ug/L	ND	50.0	11/29/11 00:57	
Vinyl chloride	ug/L	ND	2.0	11/29/11 00:57	
Xylene (Total)	ug/L	ND	10.0	11/29/11 00:57	
4-Bromofluorobenzene (S)	%	103	72-125	11/29/11 00:57	
Dibromofluoromethane (S)	%	107	83-123	11/29/11 00:57	
Toluene-d8 (S)	%	100	81-114	11/29/11 00:57	

LABORATORY CONTROL SAMPLE: 652783

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.9	106	69-122	
1,1,1-Trichloroethane	ug/L	50	45.0	90	69-126	
1,1,2,2-Tetrachloroethane	ug/L	50	59.0	118	68-134	
1,1,2-Trichloroethane	ug/L	50	50.9	102	77-129	
1,1-Dichloroethane	ug/L	50	45.4	91	70-127	
1,1-Dichloroethene	ug/L	50	53.4	107	75-145	
1,1-Dichloropropene	ug/L	50	50.2	100	75-126	
1,2,3-Trichlorobenzene	ug/L	50	51.9	104	63-130	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

LABORATORY CONTROL SAMPLE: 652783

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	100	96.5	97	45-121	
1,2,4-Trichlorobenzene	ug/L	50	51.8	104	64-122	
1,2,4-Trimethylbenzene	ug/L	50	49.4	99	68-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.0	100	77-123	
1,2-Dichlorobenzene	ug/L	50	55.6	111	74-123	
1,2-Dichloroethane	ug/L	50	52.2	104	71-127	
1,2-Dichloropropane	ug/L	50	48.3	97	75-126	
1,3,5-Trimethylbenzene	ug/L	50	50.4	101	69-129	
1,3-Dichlorobenzene	ug/L	50	52.6	105	76-123	
1,3-Dichloropropane	ug/L	50	48.8	98	77-126	
1,4-Dichlorobenzene	ug/L	50	51.7	103	77-121	
2,2-Dichloropropane	ug/L	50	48.7	97	45-138	
2-Butanone (MEK)	ug/L	250	166	66	42-177	
2-Chlorotoluene	ug/L	50	52.5	105	74-129	
2-Hexanone	ug/L	250	189	76	57-162	
4-Chlorotoluene	ug/L	50	53.0	106	70-125	
4-Methyl-2-pentanone (MIBK)	ug/L	250	264	105	64-135	
Acetone	ug/L	250	121	48	10-200	
Acrolein	ug/L	1000	2410	241	10-200	L3
Acrylonitrile	ug/L	1000	1130	113	59-144	
Benzene	ug/L	50	52.4	105	76-123	
Bromobenzene	ug/L	50	50.2	100	67-130	
Bromochloromethane	ug/L	50	58.5	117	58-153	
Bromodichloromethane	ug/L	50	49.3	99	71-124	
Bromoform	ug/L	50	44.0	88	64-116	
Bromomethane	ug/L	50	52.7	105	23-197	
Carbon disulfide	ug/L	100	105	105	55-146	
Carbon tetrachloride	ug/L	50	45.3	91	65-125	
Chlorobenzene	ug/L	50	52.9	106	78-120	
Chloroethane	ug/L	50	49.9	100	56-163	
Chloroform	ug/L	50	50.5	101	73-122	
Chloromethane	ug/L	50	36.6	73	46-146	
cis-1,2-Dichloroethene	ug/L	50	52.7	105	79-129	
cis-1,3-Dichloropropene	ug/L	50	48.8	98	66-123	
Dibromochloromethane	ug/L	50	46.9	94	70-123	
Dibromomethane	ug/L	50	49.9	100	73-123	
Dichlorodifluoromethane	ug/L	50	40.2	80	19-200	
Ethyl methacrylate	ug/L	200	197	98	70-127	
Ethylbenzene	ug/L	50	52.1	104	75-120	
Hexachloro-1,3-butadiene	ug/L	50	53.9	108	64-131	
Iodomethane	ug/L	100	93.3	93	16-181	
Isopropylbenzene (Cumene)	ug/L	50	53.6	107	73-123	
Methyl-tert-butyl ether	ug/L	100	115	115	66-128	
Methylene Chloride	ug/L	50	52.1	104	61-138	
n-Butylbenzene	ug/L	50	53.1	106	69-130	
n-Hexane	ug/L	50	45.8	92	67-142	N2
n-Propylbenzene	ug/L	50	52.8	106	71-132	
Naphthalene	ug/L	50	52.2	104	62-130	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

LABORATORY CONTROL SAMPLE: 652783

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	52.9	106	71-126	
sec-Butylbenzene	ug/L	50	51.3	103	69-130	
Styrene	ug/L	50	54.7	109	75-125	
tert-Butylbenzene	ug/L	50	50.4	101	49-114	
Tetrachloroethene	ug/L	50	50.9	102	57-125	
Toluene	ug/L	50	52.3	105	72-124	
trans-1,2-Dichloroethene	ug/L	50	56.2	112	71-145	
trans-1,3-Dichloropropene	ug/L	50	46.8	94	58-118	
trans-1,4-Dichloro-2-butene	ug/L	200	209	105	50-121	
Trichloroethene	ug/L	50	48.6	97	77-122	
Trichlorofluoromethane	ug/L	50	49.7	99	56-159	
Vinyl acetate	ug/L	200	246	123	27-119	L3
Vinyl chloride	ug/L	50	48.4	97	61-146	
Xylene (Total)	ug/L	150	156	104	72-126	
4-Bromofluorobenzene (S)	%			95	72-125	
Dibromofluoromethane (S)	%			101	83-123	
Toluene-d8 (S)	%			99	81-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 652784 652785

Parameter	Units	5055090009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	39.6	43.4	79	87	30-122	9	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	37.8	42.6	76	85	37-136	12	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.9	52.4	94	105	47-132	11	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	45.4	48.9	91	98	53-131	7	20	
1,1-Dichloroethane	ug/L	ND	50	50	40.1	44.4	80	89	47-138	10	20	
1,1-Dichloroethene	ug/L	ND	50	50	47.4	50.2	95	100	54-152	6	20	
1,1-Dichloropropene	ug/L	ND	50	50	38.9	43.9	78	88	47-136	12	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	25.1	29.2	50	58	15-132	15	20	
1,2,3-Trichloropropane	ug/L	ND	100	100	74.9	84.4	75	84	24-108	12	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	23.6	28.0	47	56	10-130	17	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	23.5	28.9	47	58	10-141	21	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	43.2	45.4	86	91	49-130	5	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	29.7	37.2	59	74	20-137	22	20	
1,2-Dichloroethane	ug/L	ND	50	50	47.2	50.8	94	102	42-139	7	20	
1,2-Dichloropropane	ug/L	ND	50	50	40.7	45.6	81	91	50-131	11	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	21.7	29.8	43	60	10-145	31	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	27.3	33.4	55	67	13-143	20	20	
1,3-Dichloropropane	ug/L	ND	50	50	42.5	47.1	85	94	53-130	10	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	25.7	31.5	51	63	13-140	20	20	
2,2-Dichloropropane	ug/L	ND	50	50	43.0	44.6	86	89	13-142	4	20	
2-Butanone (MEK)	ug/L	ND	250	250	153	160	61	64	43-142	5	20	
2-Chlorotoluene	ug/L	ND	50	50	25.1	32.4	50	65	15-145	25	20	
2-Hexanone	ug/L	ND	250	250	160	174	64	70	46-139	9	20	
4-Chlorotoluene	ug/L	ND	50	50	24.9	32.7	50	65	12-143	27	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	239	258	96	103	43-140	8	20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 652784 652785

Parameter	Units	5055090009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acetone	ug/L	ND	250	250	105	114	42	46	38-155	8	20	
Acrolein	ug/L	ND	1000	1000	1580	1630	158	163	11-200	3	20	
Acrylonitrile	ug/L	ND	1000	1000	1070	1100	107	110	42-150	2	20	
Benzene	ug/L	ND	50	50	41.5	46.7	83	93	52-134	12	20	
Bromobenzene	ug/L	ND	50	50	29.7	34.4	59	69	25-140	15	20	
Bromochloromethane	ug/L	ND	50	50	55.6	58.6	111	117	54-144	5	20	
Bromodichloromethane	ug/L	ND	50	50	40.7	44.5	81	89	42-128	9	20	
Bromoform	ug/L	ND	50	50	36.7	39.4	73	79	34-116	7	20	
Bromomethane	ug/L	ND	50	50	46.6	50.4	93	101	10-200	8	20	
Carbon disulfide	ug/L	ND	100	100	81.1	93.9	81	94	43-144	15	20	
Carbon tetrachloride	ug/L	ND	50	50	36.9	41.3	74	83	26-136	11	20	
Chlorobenzene	ug/L	ND	50	50	33.7	38.1	67	76	33-136	12	20	
Chloroethane	ug/L	ND	50	50	46.6	47.8	93	96	21-200	2	20	
Chloroform	ug/L	ND	50	50	45.3	49.3	91	99	50-134	8	20	
Chloromethane	ug/L	ND	50	50	33.9	35.8	68	72	32-160	5	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	46.5	48.3	93	97	48-145	4	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	38.4	43.1	77	86	35-116	12	20	
Dibromochloromethane	ug/L	ND	50	50	37.6	41.6	75	83	39-122	10	20	
Dibromomethane	ug/L	ND	50	50	43.9	47.8	88	96	49-134	9	20	
Dichlorodifluoromethane	ug/L	ND	50	50	38.5	38.8	77	78	35-200	.6	20	
Ethyl methacrylate	ug/L	ND	200	200	182	193	91	97	54-123	6	20	
Ethylbenzene	ug/L	ND	50	50	28.8	34.8	58	70	29-132	19	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	11.7	16.7	23	33	10-146	35	20	
Iodomethane	ug/L	ND	100	100	82.2	87.4	82	87	10-171	6	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	25.1	31.5	50	63	11-146	23	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	108	111	108	111	39-137	3	20	
Methylene Chloride	ug/L	ND	50	50	49.2	50.0	98	100	47-141	2	20	
n-Butylbenzene	ug/L	ND	50	50	14.6	22.4	29	45	10-156	42	20	
n-Hexane	ug/L	ND	50	50	29.0	32.3	58	65	51-137	11	20	N2
n-Propylbenzene	ug/L	ND	50	50	20.5	28.5	41	57	10-148	33	20	
Naphthalene	ug/L	ND	50	50	34.8	38.2	70	76	40-124	9	20	
p-Isopropyltoluene	ug/L	ND	50	50	19.5	25.9	39	52	10-150	28	20	
sec-Butylbenzene	ug/L	ND	50	50	18.6	26.7	37	53	10-150	36	20	
Styrene	ug/L	ND	50	50	27.8	33.6	56	67	20-143	19	20	
tert-Butylbenzene	ug/L	ND	50	50	22.3	29.5	45	59	10-123	28	20	
Tetrachloroethene	ug/L	5.0	50	50	34.9	43.1	60	76	30-124	21	20	
Toluene	ug/L	ND	50	50	35.0	42.3	70	85	42-130	19	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	46.0	48.1	92	96	48-144	5	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	37.0	40.5	74	81	24-114	9	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	161	182	80	91	22-120	12	20	
Trichloroethene	ug/L	ND	50	50	37.9	41.4	71	77	44-130	9	20	
Trichlorofluoromethane	ug/L	ND	50	50	47.0	49.1	94	98	17-200	5	20	
Vinyl acetate	ug/L	ND	200	200	189	202	94	101	10-115	7	20	
Vinyl chloride	ug/L	ND	50	50	44.5	46.3	89	93	45-159	4	20	
Xylene (Total)	ug/L	ND	150	150	87.2	105	58	70	29-131	19	20	
4-Bromofluorobenzene (S)	%						95	96	72-125		20	
Dibromofluoromethane (S)	%						99	104	83-123		20	2d

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 652784 652785

Parameter	Units	5055090009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						94	97	81-114		20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

QC Batch: MSV/37658 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5055090018, 5055090019

METHOD BLANK: 653114 Matrix: Water
Associated Lab Samples: 5055090018, 5055090019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/29/11 13:28	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/29/11 13:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/29/11 13:28	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/29/11 13:28	
1,1-Dichloroethane	ug/L	ND	5.0	11/29/11 13:28	
1,1-Dichloroethene	ug/L	ND	5.0	11/29/11 13:28	
1,1-Dichloropropene	ug/L	ND	5.0	11/29/11 13:28	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/29/11 13:28	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/29/11 13:28	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/29/11 13:28	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/29/11 13:28	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/29/11 13:28	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/29/11 13:28	
1,2-Dichloroethane	ug/L	ND	5.0	11/29/11 13:28	
1,2-Dichloropropane	ug/L	ND	5.0	11/29/11 13:28	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/29/11 13:28	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/29/11 13:28	
1,3-Dichloropropane	ug/L	ND	5.0	11/29/11 13:28	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/29/11 13:28	
2,2-Dichloropropane	ug/L	ND	5.0	11/29/11 13:28	
2-Butanone (MEK)	ug/L	ND	25.0	11/29/11 13:28	
2-Chlorotoluene	ug/L	ND	5.0	11/29/11 13:28	
2-Hexanone	ug/L	ND	25.0	11/29/11 13:28	
4-Chlorotoluene	ug/L	ND	5.0	11/29/11 13:28	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/29/11 13:28	
Acetone	ug/L	ND	100	11/29/11 13:28	
Acrolein	ug/L	ND	100	11/29/11 13:28	
Acrylonitrile	ug/L	ND	100	11/29/11 13:28	
Benzene	ug/L	ND	5.0	11/29/11 13:28	
Bromobenzene	ug/L	ND	5.0	11/29/11 13:28	
Bromochloromethane	ug/L	ND	5.0	11/29/11 13:28	
Bromodichloromethane	ug/L	ND	5.0	11/29/11 13:28	
Bromoform	ug/L	ND	5.0	11/29/11 13:28	
Bromomethane	ug/L	ND	5.0	11/29/11 13:28	
Carbon disulfide	ug/L	ND	10.0	11/29/11 13:28	
Carbon tetrachloride	ug/L	ND	5.0	11/29/11 13:28	
Chlorobenzene	ug/L	ND	5.0	11/29/11 13:28	
Chloroethane	ug/L	ND	5.0	11/29/11 13:28	
Chloroform	ug/L	ND	5.0	11/29/11 13:28	
Chloromethane	ug/L	ND	5.0	11/29/11 13:28	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/29/11 13:28	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/29/11 13:28	
Dibromochloromethane	ug/L	ND	5.0	11/29/11 13:28	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

METHOD BLANK: 653114 Matrix: Water

Associated Lab Samples: 5055090018, 5055090019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	5.0	11/29/11 13:28	
Dichlorodifluoromethane	ug/L	ND	5.0	11/29/11 13:28	
Ethyl methacrylate	ug/L	ND	100	11/29/11 13:28	
Ethylbenzene	ug/L	ND	5.0	11/29/11 13:28	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/29/11 13:28	
Iodomethane	ug/L	ND	10.0	11/29/11 13:28	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/29/11 13:28	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/29/11 13:28	
Methylene Chloride	ug/L	ND	5.0	11/29/11 13:28	
n-Butylbenzene	ug/L	ND	5.0	11/29/11 13:28	
n-Hexane	ug/L	ND	5.0	11/29/11 13:28	N2
n-Propylbenzene	ug/L	ND	5.0	11/29/11 13:28	
Naphthalene	ug/L	ND	5.0	11/29/11 13:28	
p-Isopropyltoluene	ug/L	ND	5.0	11/29/11 13:28	
sec-Butylbenzene	ug/L	ND	5.0	11/29/11 13:28	
Styrene	ug/L	ND	5.0	11/29/11 13:28	
tert-Butylbenzene	ug/L	ND	5.0	11/29/11 13:28	
Tetrachloroethene	ug/L	ND	5.0	11/29/11 13:28	
Toluene	ug/L	ND	5.0	11/29/11 13:28	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/29/11 13:28	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/29/11 13:28	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/29/11 13:28	
Trichloroethene	ug/L	ND	5.0	11/29/11 13:28	
Trichlorofluoromethane	ug/L	ND	5.0	11/29/11 13:28	
Vinyl acetate	ug/L	ND	50.0	11/29/11 13:28	
Vinyl chloride	ug/L	ND	2.0	11/29/11 13:28	
Xylene (Total)	ug/L	ND	10.0	11/29/11 13:28	
4-Bromofluorobenzene (S)	%	96	72-125	11/29/11 13:28	
Dibromofluoromethane (S)	%	101	83-123	11/29/11 13:28	
Toluene-d8 (S)	%	96	81-114	11/29/11 13:28	

LABORATORY CONTROL SAMPLE: 653115

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.7	105	69-122	
1,1,1-Trichloroethane	ug/L	50	46.2	92	69-126	
1,1,2,2-Tetrachloroethane	ug/L	50	58.1	116	68-134	
1,1,2-Trichloroethane	ug/L	50	54.2	108	77-129	
1,1-Dichloroethane	ug/L	50	46.0	92	70-127	
1,1-Dichloroethene	ug/L	50	55.3	111	75-145	
1,1-Dichloropropene	ug/L	50	52.6	105	75-126	
1,2,3-Trichlorobenzene	ug/L	50	54.1	108	63-130	
1,2,3-Trichloropropane	ug/L	100	101	101	45-121	
1,2,4-Trichlorobenzene	ug/L	50	55.7	111	64-122	
1,2,4-Trimethylbenzene	ug/L	50	55.6	111	68-129	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

LABORATORY CONTROL SAMPLE: 653115

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	49.4	99	77-123	
1,2-Dichlorobenzene	ug/L	50	55.4	111	74-123	
1,2-Dichloroethane	ug/L	50	52.8	106	71-127	
1,2-Dichloropropane	ug/L	50	49.1	98	75-126	
1,3,5-Trimethylbenzene	ug/L	50	54.6	109	69-129	
1,3-Dichlorobenzene	ug/L	50	53.6	107	76-123	
1,3-Dichloropropane	ug/L	50	48.8	98	77-126	
1,4-Dichlorobenzene	ug/L	50	54.1	108	77-121	
2,2-Dichloropropane	ug/L	50	51.2	102	45-138	
2-Butanone (MEK)	ug/L	250	186	75	42-177	
2-Chlorotoluene	ug/L	50	56.2	112	74-129	
2-Hexanone	ug/L	250	195	78	57-162	
4-Chlorotoluene	ug/L	50	56.2	112	70-125	
4-Methyl-2-pentanone (MIBK)	ug/L	250	267	107	64-135	
Acetone	ug/L	250	163	65	10-200	
Acrolein	ug/L	1000	2410	241	10-200	L3
Acrylonitrile	ug/L	1000	1100	110	59-144	
Benzene	ug/L	50	54.4	109	76-123	
Bromobenzene	ug/L	50	51.5	103	67-130	
Bromochloromethane	ug/L	50	60.5	121	58-153	
Bromodichloromethane	ug/L	50	46.6	93	71-124	
Bromoform	ug/L	50	46.2	92	64-116	
Bromomethane	ug/L	50	53.2	106	23-197	
Carbon disulfide	ug/L	100	109	109	55-146	
Carbon tetrachloride	ug/L	50	46.0	92	65-125	
Chlorobenzene	ug/L	50	52.9	106	78-120	
Chloroethane	ug/L	50	49.2	98	56-163	
Chloroform	ug/L	50	51.8	104	73-122	
Chloromethane	ug/L	50	38.1	76	46-146	
cis-1,2-Dichloroethene	ug/L	50	52.7	105	79-129	
cis-1,3-Dichloropropene	ug/L	50	49.5	99	66-123	
Dibromochloromethane	ug/L	50	46.8	94	70-123	
Dibromomethane	ug/L	50	52.6	105	73-123	
Dichlorodifluoromethane	ug/L	50	40.5	81	19-200	
Ethyl methacrylate	ug/L	200	204	102	70-127	
Ethylbenzene	ug/L	50	52.4	105	75-120	
Hexachloro-1,3-butadiene	ug/L	50	57.2	114	64-131	
Iodomethane	ug/L	100	91.3	91	16-181	
Isopropylbenzene (Cumene)	ug/L	50	52.9	106	73-123	
Methyl-tert-butyl ether	ug/L	100	108	108	66-128	
Methylene Chloride	ug/L	50	52.7	105	61-138	
n-Butylbenzene	ug/L	50	56.2	112	69-130	
n-Hexane	ug/L	50	39.4	79	67-142	N2
n-Propylbenzene	ug/L	50	56.2	112	71-132	
Naphthalene	ug/L	50	51.8	104	62-130	
p-Isopropyltoluene	ug/L	50	55.5	111	71-126	
sec-Butylbenzene	ug/L	50	54.4	109	69-130	
Styrene	ug/L	50	54.2	108	75-125	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

LABORATORY CONTROL SAMPLE: 653115

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	52.3	105	49-114	
Tetrachloroethene	ug/L	50	54.0	108	57-125	
Toluene	ug/L	50	53.4	107	72-124	
trans-1,2-Dichloroethene	ug/L	50	53.1	106	71-145	
trans-1,3-Dichloropropene	ug/L	50	49.5	99	58-118	
trans-1,4-Dichloro-2-butene	ug/L	200	209	105	50-121	
Trichloroethene	ug/L	50	48.3	97	77-122	
Trichlorofluoromethane	ug/L	50	54.1	108	56-159	
Vinyl acetate	ug/L	200	253	126	27-119	L3
Vinyl chloride	ug/L	50	49.3	99	61-146	
Xylene (Total)	ug/L	150	158	105	72-126	
4-Bromofluorobenzene (S)	%			95	72-125	
Dibromofluoromethane (S)	%			102	83-123	
Toluene-d8 (S)	%			97	81-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 653237 653238

Parameter	Units	5055112001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	47.8	58.4	96	117	30-122	20	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	45.8	46.8	92	94	37-136	2	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	51.1	59.3	102	119	47-132	15	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	48.6	57.9	97	116	53-131	17	20	
1,1-Dichloroethane	ug/L	ND	50	50	44.1	47.9	88	96	47-138	8	20	
1,1-Dichloroethene	ug/L	ND	50	50	53.6	58.1	107	116	54-152	8	20	
1,1-Dichloropropene	ug/L	ND	50	50	50.6	54.5	101	109	47-136	8	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	48.5	54.6	97	109	15-132	12	20	
1,2,3-Trichloropropane	ug/L	ND	100	100	90.4	103	90	103	24-108	13	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	49.5	55.6	99	111	10-130	12	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	54.9	56.4	110	113	10-141	3	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	45.5	54.5	91	109	49-130	18	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	52.6	56.4	105	113	20-137	7	20	
1,2-Dichloroethane	ug/L	ND	50	50	50.7	54.5	101	109	42-139	7	20	
1,2-Dichloropropane	ug/L	ND	50	50	46.4	51.4	93	103	50-131	10	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	48.6	52.4	97	105	10-145	8	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	51.5	55.9	103	112	13-143	8	20	
1,3-Dichloropropane	ug/L	ND	50	50	46.5	54.3	93	109	53-130	16	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	48.6	54.7	97	109	13-140	12	20	
2,2-Dichloropropane	ug/L	ND	50	50	51.7	53.1	103	106	13-142	3	20	
2-Butanone (MEK)	ug/L	ND	250	250	148	157	59	63	43-142	6	20	
2-Chlorotoluene	ug/L	ND	50	50	50.1	52.3	100	105	15-145	4	20	
2-Hexanone	ug/L	ND	250	250	159	187	64	75	46-139	16	20	
4-Chlorotoluene	ug/L	ND	50	50	51.2	55.5	102	111	12-143	8	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	229	279	91	112	43-140	20	20	
Acetone	ug/L	ND	250	250	98.9J	109	40	44	38-155		20	
Acrolein	ug/L	ND	1000	1000	1560	1900	156	190	11-200	19	20	
Acrylonitrile	ug/L	ND	1000	1000	1010	1130	101	113	42-150	11	20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: SBI066
Pace Project No.: 5055090

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 653237 653238

Parameter	Units	5055112001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	52.0	54.4	104	109	52-134	4	20	
Bromobenzene	ug/L	ND	50	50	46.7	52.5	93	105	25-140	12	20	
Bromochloromethane	ug/L	ND	50	50	59.0	63.7	118	127	54-144	8	20	
Bromodichloromethane	ug/L	ND	50	50	46.7	52.1	93	104	42-128	11	20	
Bromoform	ug/L	ND	50	50	40.4	46.9	81	94	34-116	15	20	
Bromomethane	ug/L	ND	50	50	30.5	42.1	61	84	10-200	32	20	R1
Carbon disulfide	ug/L	ND	100	100	106	112	106	112	43-144	5	20	
Carbon tetrachloride	ug/L	ND	50	50	45.2	48.9	90	98	26-136	8	20	
Chlorobenzene	ug/L	ND	50	50	49.0	55.6	98	111	33-136	13	20	
Chloroethane	ug/L	ND	50	50	46.4	53.1	93	106	21-200	14	20	
Chloroform	ug/L	ND	50	50	51.6	54.8	103	110	50-134	6	20	
Chloromethane	ug/L	ND	50	50	37.3	39.6	75	79	32-160	6	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	52.1	54.7	104	109	48-145	5	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	47.2	55.2	94	110	35-116	16	20	
Dibromochloromethane	ug/L	ND	50	50	42.5	49.6	85	99	39-122	15	20	
Dibromomethane	ug/L	ND	50	50	49.5	54.7	99	109	49-134	10	20	
Dichlorodifluoromethane	ug/L	ND	50	50	40.2	43.3	80	87	35-200	7	20	
Ethyl methacrylate	ug/L	ND	200	200	185	219	92	109	54-123	17	20	
Ethylbenzene	ug/L	ND	50	50	51.5	56.8	103	114	29-132	10	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	46.5	48.3	93	97	10-146	4	20	
Iodomethane	ug/L	ND	100	100	48.1	73.6	48	74	10-171	42	20	R1
Isopropylbenzene (Cumene)	ug/L	ND	50	50	49.0	55.3	98	111	11-146	12	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	106	115	106	115	39-137	8	20	
Methylene Chloride	ug/L	ND	50	50	50.3	55.1	101	110	47-141	9	20	
n-Butylbenzene	ug/L	ND	50	50	50.2	52.5	100	105	10-156	4	20	
n-Hexane	ug/L	ND	50	50	34.4	38.6	69	77	51-137	12	20	N2
n-Propylbenzene	ug/L	ND	50	50	50.2	52.2	100	104	10-148	4	20	
Naphthalene	ug/L	ND	50	50	46.7	52.0	93	104	40-124	11	20	
p-Isopropyltoluene	ug/L	ND	50	50	49.9	54.6	100	109	10-150	9	20	
sec-Butylbenzene	ug/L	ND	50	50	47.9	53.5	96	107	10-150	11	20	
Styrene	ug/L	ND	50	50	50.6	53.4	101	107	20-143	6	20	
tert-Butylbenzene	ug/L	ND	50	50	47.7	52.1	95	104	10-123	9	20	
Tetrachloroethene	ug/L	ND	50	50	50.2	55.0	100	110	30-124	9	20	
Toluene	ug/L	ND	50	50	48.3	55.7	97	111	42-130	14	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.7	58.4	109	117	48-144	6	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	44.8	51.1	90	102	24-114	13	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	193	225	97	113	22-120	15	20	
Trichloroethene	ug/L	ND	50	50	47.9	51.1	96	102	44-130	7	20	
Trichlorofluoromethane	ug/L	ND	50	50	50.3	54.7	101	109	17-200	8	20	
Vinyl acetate	ug/L	ND	200	200	239	257	119	128	10-115	7	20	M0
Vinyl chloride	ug/L	ND	50	50	43.6	49.0	87	98	45-159	12	20	
Xylene (Total)	ug/L	ND	150	150	146	163	97	109	29-131	11	20	
4-Bromofluorobenzene (S)	%						93	97	72-125		20	
Dibromofluoromethane (S)	%						105	96	83-123		20	
Toluene-d8 (S)	%						95	98	81-114		20	

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALIFIERS

Project: SBI066
Pace Project No.: 5055090

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.

SG - Silica Gel - Clean-Up

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

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

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

ANALYTE QUALIFIERS

1d	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits for several compounds. Refer to batch QC for control. RSW 11/29/11
2d	RPD value was outside control limits for several compounds. Refer to batch QC for control. RSW 11/29/11
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.
N2	The lab does not hold TNI accreditation for this parameter.
R1	RPD value was outside control limits.

Hull & associates, inc.

PAGE 1 OF 2

CHAIN OF CUSTODY RECORD

NO. 8666

Dublin, OH ☐
6397 Emerald Pkwy
Suite 200
Dublin, OH 43016
P: (614) 793-8777
F: (614) 793-9070

Indianapolis, IN ☒
6435 Castleway W. Dr.
Suite 119
Indianapolis, IN 46250
P: (800) 241-7173
F: (614) 793-9070

Mason, OH ☐
4770 Duke Dr.
Suite 300
Mason, OH 45040
P: (513) 459-9677
F: (513) 459-9869

Bedford, OH ☐
4 Hemisphere Way
Bedford, OH 44146
P: (440) 232-9945
F: (440) 232-9946

Toledo, OH ☐
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
P: (419) 385-2018
F: (419) 385-5487

Pittsburgh, PA ☐
300 Business Center Dr.
Suite 320
Pittsburgh, PA 15205
P: (412) 446-0315
F: (412) 446-0324

REPORT TO: Doug Stuart

Client:
Site: Former Oliver Plow Works
Project #: SBI0666 Phase:
Samplers: Ryan Sievers

SAMPLE TYPES	PRESERVATIVES		METALS
A - AIR	A - Cool only, <4 deg. C	H - EDTA	F - Filtered
C - ASBESTOS	B - HNO_3 pH<2	I - 5ml 1:1 HCL	N - Not filtered
D - SEDIMENT	C - H_2SO_4 pH<2	J - None	B - Both
G - GROUNDWATER	D - NaOH pH>12	K - Stored in dark	
P - PRODUCT	E - ZnAcetate + NaOH, pH>9	L - NH_4Cl	
S - SOIL	F - $Na_2S_2O_3$ (0.008%)	M - Methanol	
W - WATER	G - HCL pH <2	S - Sodium bisulfate	
Z - OTHERS			

All samples are kept at 4 degrees Celsius.

ANALYSES

PRESERVATIVES

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	VOCs 8260	Total Lead + Arsenic method 3410. 6010	Dissolved Lead + Arsenic method 3410. 6010							COMMENTS
SBI0666	MW23s	G111711	5	2	11/17/11 1355	3	1	1							-001
SBI0666	MW23D	G111711	15	6	11/17/11 1315	9	3	3							MS/MSD -002
SBI0666	MW22D	G111711	5	2	11/17/11 1220	3	1	1							-003
SBI0666	MW22D	G111711A	5	2	11/17/11 1220	3	1	1							-004
SBI0666	MW22s	G111711	5	2	11/17/11 1145	3	1	1							-005
SBI0666	MW24	G111711	5	2	11/17/11 1635	3	1	1							-006
SBI0666	MW26s	G111711	5	2	11/17/11 1455	3	1	1							-007
SBI066	MW26D	G111711	5	2	11/17/11 1540	3	1	1							-008
SBI0666	MW21s	G111811	15	6	11/18/11 925	9	3	3							MS/MSD -009
SBI0666	MW21D	G111811	5	2	11/18/11 850	3	1	1							-010
SBI0666	MW21D	G111811A	5	2	11/18/11 850	3	1	1							-011
SBI0666	MW25s	G111811	5	2	11/18/11 1020	3	1	1							-012

SD5509D

RELINQUISHED BY: Ryan Sievers	DATE: 11/21/11 TIME: 0800	RECEIVED BY:	DATE: TIME:
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:	DATE: TIME:
RELINQUISHED BY:	DATE: TIME:	RECEIVED FOR LAB BY: Marcia Bennett/Pace	DATE: 11/22/11 TIME: 11:15a

COOLER TEMPERATURE AS RECEIVED: 3.8°C, 1.5 °C

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

Deliver To:
Method of Delivery:
Airbill Number:
NOTES: Lab Filter dissolved Lead & Arsenic samples
TURN AROUND TIME: _____ DAYS

Fedex w/ice 8766 8651 5255, 7955 4185 6177

Hull & associates, inc.

CHAIN OF CUSTODY RECORD

NO. 8665

Dublin, OH ☐
6397 Emerald Pkwy
Suite 200
Dublin, OH 43016
P: (614) 793-8777
F: (614) 793-9070

Indianapolis, IN ☒
6435 Castleway W. Dr.
Suite 119
Indianapolis, IN 46250
P: (800) 241-7173
F: (614) 793-9070

Mason, OH ☐
4770 Duke Dr.
Suite 300
Mason, OH 45040
P: (513) 459-9677
F: (513) 459-9869

Bedford, OH ☐
4 Hemisphere Way
Bedford, OH 44146
P: (440) 232-9945
F: (440) 232-9946

Toledo, OH ☐
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
P: (419) 385-2018
F: (419) 385-5487

Pittsburgh, PA ☐
300 Business Center Dr.
Suite 320
Pittsburgh, PA 15205
P: (412) 446-0315
F: (412) 446-0324

REPORT TO: Doug Stuart

Client: _____
Site: Former Oliver Plow Works
Project #: SBI0666 Phase: _____
Samplers: Ryan Sievers

SAMPLE TYPES	PRESERVATIVES		METALS
A - AIR	A - Cool only, <4 deg. C	H - EDTA	F - Filtered
C - ASBESTOS	B - HNO_3 pH<2	I - 5ml 1:1 HCL	N - Not filtered
D - SEDIMENT	C - H_2SO_4 pH<2	J - None	B - Both
G - GROUNDWATER	D - NaOH pH>12	K - Stored in dark	
P - PRODUCT	E - ZnAcetate + NaOH, pH>9	L - NH_4Cl	
S - SOIL	F - $Na_2S_2O_3$ (0.008%)	M - Methanol	
W - WATER	G - HCL pH <2	S - Sodium bisulfate	
Z - OTHERS			

All samples are kept at 4 degrees Celsius.

ANALYSES / PRESERVATIVES

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	VOCs 8260	Total Lead + Arsenic method 6010	Dissolved Lead + Arsenic method 6010								COMMENTS
SBI0666	MW25D	G111811	5	2	11/18/11 1105	3	1	1								-013
SBI0666	MW20S	G111811	5	2	11/18/11 1150	3	1	1								-014
SBI0666	MW20D	G111811	5	2	11/18/11 1235	3	1	1								-015
SBI0666	EB1	W111711	4	1	11/17/11 1730	3	1									-016
SBI0666	EB2	W111811	4	1	11/18/11 0830	3	1									-017
	LTB1		6		- / -	~~6~~ 3										-018, -019
	LTB2				/	3										
					/											
					/											
					/											
					/											
					/											

G055090

RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
Ryan Sievers	11/21/11		
	TIME: 0800		TIME:
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
	TIME:		TIME:
RELINQUISHED BY:	DATE:	RECEIVED FOR LAB BY: Marcia Bennett	DATE: 11/22/11
	TIME:		TIME: 11:15a

COOLER TEMPERATURE AS RECEIVED: 3.8°C / 1.5 °C

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

Deliver To: _____
Method of Delivery: _____
Airbill Number: _____

NOTES: Lab Filter dissolved Lead + Arsenic samples

TURN AROUND TIME: _____ DAYS

Sample Condition Upon Receipt

Pace Analytical

Client Name: Hull & Assoc. Project # 5055090

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

Tracking #: 8766 8651 5255, 7955 4185 6177

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

Date/Time 5035A kits placed in freezer:

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

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 3.8°C, 1.5°C Ice Visible in Sample Containers: ☐ yes ☑ no

(Corrected, if applicable)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: MB 11/22/11

			Comments:
Chain of Custody Present:	☑Yes	☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☑No ☐N/A	5. Dissolved Metals MB
Rush Turn Around Time Requested:	☐Yes	☐No ☑N/A	6.
Containers Intact:	☑Yes	☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☑Yes	☐No ☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☑No ☐N/A	3(BP3N) bottles for MW-21s out of compliance MB
Headspace in VOA Vials (>6mm): MB 11/22/11	☑Yes	☑No ☐N/A	10.
Trip Blank Present:	☑Yes	☐No ☐N/A	11. 1 trip blank recv in each cooler MB
Trip Blank Custody Seals Present	☑Yes	☐No ☐N/A	
Project Manager Review			
Samples Arrived within Hold Time:	☑Yes	☐No ☐N/A	12.
Sufficient Volume:	☑Yes	☐No ☐N/A	13.
Correct Containers Used:	☑Yes	☐No ☐N/A	14.

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Kenneth Hunt Date: 11/22/11

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Hull & Assoc.

COC PAGE 1 of 2

COC ID# 86666

Project # 5055090

Pace Analytical
www.pacelabs.com

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

Container Codes

DG9H	40mL HCL amber voa 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	I	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	WGFX	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: Hull & Assoc.

COC PAGE 2 of 2
COC ID# 8665

Project # 505509D

Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H					Comments
1	3							1	1								
2	3							1	1								
3	3							1	1								
4 MB 11/23/11	~~3~~ 3							1									
5	3							1									
6	6																
7																	
8																	
9																	
10																	
11																	
12																	

Container Codes

DG9H	40mL HCL amber voa 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	I	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	WGFX	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