Hull & associates, inc.

August 8, 2005

Mr. Andy Laurent
Economic Development Specialist
South Bend Development Commission
227 West Jefferson Boulevard, 12th floor
South Bend, Indiana 46601

RE: Letter Report Documenting the Delineation Assessment Activities at the Former Oliver Plow Works Property (Area C) Located at 533 Chapin Street (Site), South Bend, Indiana; SBI028.100.0001.DOC

Dear Mr. Laurent:

Hull & Associates, Inc. (Hull) has prepared this letter report to describe assessment activities that were completed to delineate volatile organic compounds (VOCs), particularly tetrachloroethene (PCE), in groundwater. The assessment focused on an apparent on-Site source area in the southwestern portion of Area C, shown on Plate 1. This portion of Area C was originally identified during the initial Phase II investigation completed by Envirocorp, Inc. (Envirocorp - (November 1999) and has been evaluated by a number of additional source area assessments to characterize the apparent source of PCE in groundwater. The initial Phase II investigation and subsequent source area studies consisted of:

1. **Phase II Site Assessment, Former Oliver Plow Works**
   Completed by Envirocorp in November 1999, the assessment included installation of nine permanent groundwater monitoring wells, MW-1 through MW-9.

2. **Letter Report Documenting the Groundwater Delineation Activities for VOCs and Selected Metals at Area A (former Studebaker Automotive Manufacturing Facility) and Area C (former Oliver Plow), South Bend, Indiana (Hull document #SBI013.200.0011.DOC)**
   Completed by Hull in January 2003, these activities included the collection of nine direct-push groundwater samples, CTW-1 through CTW-9, in the vicinity of Area C.

3. **Letter Documenting the Potential Source Area Evaluations for VOCs and Selected Metals at Area C (Former Oliver Plow) South Bend, Indiana (Hull document #SBI015.200.0004.DOC)**
   Completed by Hull in January 2003, these activities included the collection of eight direct-push groundwater samples, PTW-1 through PTW-8, from the shallow groundwater in the southwestern portion of Area C.

4. **Letter Report Documenting the Additional Phase II Site Assessment Activities at the Former Oliver Plow Works Property Located at 533 Chapin Street, South Bend, Indiana (Hull document #SBI020.100.0002.DOC)**

3401 Glendale Avenue, Suite 300 • Toledo, Ohio 43614
419.385.2018 fax 419.385.5487 www.hullinc.com

Completed by Hull in February 2005, these additional Phase II activities included the installation of 18 direct push soil borings, collection of 36 groundwater samples from the shallow and intermediate aquifer zone and installation of seven shallow monitoring wells, MW-10 through MW-16. Results from this investigation indicated an apparent source of PCE in the groundwater in or near the southwest portion of Area C in the vicinity of monitoring well MW-1.

The delineation assessment activities described herein were completed consistent with Hull's scope of work contained in a December 13, 2004 proposal (Hull Document #SBI017.200.0006.DOC). The objectives of the additional Phase II investigation were:

1. to evaluate the horizontal and vertical limits of the PCE in the apparent on-Site source area in the intermediate and deep groundwater;

2. to evaluate the horizontal and vertical extent of all VOCs in groundwater; and

3. to characterize the concentrations of VOCs in the shallow and intermediate zones of groundwater that exceed Indiana Voluntary Remediation Program (VRP) Tier II nonresidential and residential cleanup goals.

PHASE II ESA GROUNDWATER MONITORING WELL INSTALLATION AND SAMPLING PROGRAM

From April 4, through April 8, 2005, under the direct supervision of Hull, D&T Drilling installed eight monitoring wells, labeled: HMW-1I, HMW-1D, HMW-17I, HMW-17D, HMW-19, HMW-18S, HMW-18I and HMW-18D.[1] Monitoring wells were located in the apparent source area in the southwest portion of Area C to evaluate the vertical extent of PCE concentrations exceeding the VRP Tier II cleanup goals. In addition, the assessment, along with previous information, will form the basis for the remedial efforts funded by a U.S. EPA Brownfield Cleanup Grant.

Boreholes for the monitoring wells were drilled using 4.25-inch inside-diameter (ID) hollow-stem augers and continuously sampled using 24-inch split-spoon samplers to a variety of depths ranging from approximately 35 feet to 88 feet.. Soil cuttings were collected and stored in DOT approved 55-gallon drums.

Monitoring wells were constructed of two-inch ID Schedule 40 PVC slotted screens and risers. A clean, silica-quartz sand filter pack was placed around the screen and extended approximately two feet above the top of the screen. Sodium bentonite chips or pellets were then placed on top of the sand pack. Above the chips, a thick bentonite slurry was pumped into the annular space using a tremie pipe to a depth of approximately three feet below ground

[1] Monitoring wells designated with an "S" (for "shallow") are screened within the approximate upper 1/3 of the unconsolidated aquifer. Wells designated with an "I" (for "intermediate") are screened in the approximate middle 1/3 of the aquifer. Wells designated with a "D" (for "deep") are screened within the approximate lower 1/3 of the aquifer.

surface. The remaining three feet was filled with concrete to anchor an above ground protective steel casing.

Following installation, the monitoring wells were developed to remove fines that may have entered the well screen or filter pack during installation. Well development activities continued until pH, temperature and conductivity stabilized for three consecutive well volumes, or until five well volumes were removed, whichever occurred first. Development waters were collected and stored in a DOT approved 55-gallon drum.

Prior to sampling, the monitoring wells were purged until pH, temperature and conductivity measurements stabilized, or until three well volumes were removed, which ever occurred first. Following purging, groundwater samples were collected using a non-dedicated disposable bailer and transferred to laboratory-preserved sample containers at rate of less than 100 ml/min and immediately placed on ice in a cooler. A clean/new disposable bailer was used for each monitoring well.

Duplicate samples were collected at randomly selected monitoring well locations. Field/equipment blanks were also collected and submitted along with a trip blank for analysis as part of QA/QC of field procedures. Development, purge and decontamination waters were collected and stored in a DOT approved 55-gallon drum.

Chain-of-custody was documented for the groundwater samples. On April 20, 2005, groundwater samples were collected from permanent monitoring wells MW-1S, HMW-1I, HMW-1D, MW-10S, MW-11S, MW-12S, MW-13S, MW-15S, MW-16S, HMW-17I, HMW-17D, HMW-18S, HMW-18I, HMW-18D and HMW-19I and were submitted for overnight shipment to TestAmerica, Inc. for testing of VOCs using SW 846 Method 8260B. Field data sheets and a copy of the sample chain-of-custody are included in Attachment A. The results of the sample analyses for groundwater are summarized on Table 1. The laboratory reports for groundwater are contained in Attachment B. Boring logs are included as Attachment C. Plate 1 illustrates all sample locations from the three sampling intervals discussed in this report.

ANALYTE DISTRIBUTION IN GROUNDWATER FOR THE INVESTIGATION AREA OF AREA C

Table 1 provides a comprehensive summary of the groundwater results from this and the 2004 assessment for the shallow, intermediate and deep zones of the aquifer. In addition, Table 1 provides a summary of VRP Tier II Nonresidential and Residential cleanup goals for groundwater. These data are also shown in Plates 2, 3 and 4 to illustrate the lateral extent of the detected analytes in the shallow, intermediate and deep zones of groundwater. These plates also include the groundwater results for direct push groundwater sampling program and the eight shallow monitoring wells installed in 2004. As summarized on Table 1, PCE, trichloroethene (TCE) and vinyl chloride results for groundwater are above the VRP Tier II Nonresidential and Residential cleanup goals. The following sections discuss the detectable concentrations of TCE, PCE and vinyl chloride. Other analytes, 1,1,1-trichloroethane, 1,1,2-trichloroethane,2-butanone, 1,1-dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, sec-butylbenzene, n-propylbenzene and toluene were detected at

concentrations above their respective method detection limits, but all are below the Tier II Residential Groundwater Cleanup goal.

For consistency purposes, where necessary, monitoring well and direct-push groundwater sample designations have been revised to indicate where the monitoring well is screened or where the groundwater sample was collected. Therefore, monitoring wells installed by Envirocorp (1998) were redesignated as MW-1S instead of MW-1, and direct-push samples previously identified as DP-10D are now labeled as DP-10I. This monitoring well and direct-push groundwater sample identification will be followed during any future groundwater investigations conducted by Hull at Area C.

Shallow Aquifer Zone

TCE was detected above the method detection limit in 28 of the 30 samples analyzed from the shallow zone groundwater at concentrations ranging from 1.3 ug/L at MW-8S to 91.4 ug/L at DP10S. Of the 28 samples that were detected above the method detection limit, 23 samples exceeded the VRP Tier II Residential Groundwater Cleanup goal of 5 ug/L. None of the shallow zone groundwater samples exceeded the VRP Tier II Nonresidential Groundwater Cleanup goal for TCE of 260 ug/L.

PCE was detected in 21 of the 30 groundwater samples analyzed from the shallow zone at concentrations above the method detection limits at limits ranging from 1.8 ug/L at MW-8S to 5,850 ug/L at MW-1S. Nineteen of the shallow zone groundwater samples were found to exceed the VRP Tier II Residential Groundwater Cleanup goal of 5 ug/L. Fourteen of the shallow zone groundwater samples were found to exceed the VRP Tier II Nonresidential Groundwater Cleanup goal for PCE of 56.1 ug/L.

Vinyl Chloride was detected in four of the 30 groundwater samples analyzed from the shallow zone of the aquifer at concentrations above the method detection limits at limits ranging from 1.7 ug/L at DP7S to 18.7 ug/L at MW-11S. Four of the shallow zone groundwater samples were found at concentrations exceeding the VRP Tier II Residential Groundwater Cleanup goal of 2 ug/L, yet all were below the VRP Tier II Nonresidential Groundwater Cleanup goal of 10 ug/L.

Intermediate Aquifer Zone

TCE was detected in all 24 groundwater samples analyzed from the intermediate zone during the 2004 and 2005 sampling events at concentrations ranging from 3.5 ug/L at DP-4I to 124 ug/L at DP-10I. TCE concentrations were found to exceed the VRP Tier II Residential Groundwater Cleanup goal in all samples, except for DP-4I and DP-2I. None of the groundwater samples analyzed from the intermediate zone exceeded the VRP Tier II Nonresidential Groundwater Cleanup goal of 260 ug/L.

PCE was detected in 14 of the 24 groundwater samples analyzed from the intermediate zone at concentrations ranging from 2.2 ug/L at DP-14I to 185 ug/L at DP-6I. PCE concentrations were found to exceed the VRP Tier II Residential Groundwater Cleanup goal of 5 ug/L at 10 locations and the VRP Tier II Nonresidential Groundwater Cleanup goal of 56.1 ug/L for PCE was exceeded at seven locations.

Vinyl chloride was detected in one of the 24 groundwater samples analyzed from the intermediate zone. Vinyl chloride was detected at the on-Site sample from DP-14I at a concentration of 2.1 ug/L. This concentration exceeds the VRP Tier II Residential Groundwater Cleanup goal of 2 ug/L, but is below the VRP Tier II Nonresidential Groundwater Cleanup goal of 10 ug/L.

Deep Aquifer Zone

TCE was detected in three groundwater samples analyzed from the deep zone during the 2004 and 2005 sampling events at concentrations ranging from 15.8 ug/L at HMW-1D to 22.4 ug/L at HMW-17D. TCE concentrations were found to exceed the VRP Tier II Residential Groundwater Cleanup goal, but are below the VRP Tier II Nonresidential Groundwater Cleanup goal of 260 ug/L.

PCE was detected in two of the three groundwater samples analyzed from the deep zone at concentrations of 3.4 ug/L at HMW-17D to 10.6 ug/L at HMW-1D. PCE concentrations were found to exceed the VRP Tier II Residential Groundwater Cleanup goal of 5 ug/L, but are below the VRP Tier II Nonresidential Groundwater Cleanup goal of 56.1 ug/L for PCE.

Vinyl chloride was not detected in any of the groundwater samples collected from the deep zone.

Additional Phase II ESA Findings

A review of the analytical results from the groundwater samples indicates that:

1. there is an apparent source of PCE in the groundwater in or near monitoring well MW-1S in the southwest portion of the Site;

2. additional on- or off-Site source area(s) may be located up-gradient of the Site;

3. as shown on Plate 2 and 3, PCE has migrated approximately 1,000 feet downgradient of the apparent on-Site source area at concentrations exceeding VRP Tier II Nonresidential Cleanup goals;

4. PCE concentrations exceeding VRP Tier II Nonresidential Cleanup Goals, downgradient of the apparent source areas are limited to the shallow and intermediate groundwater zones; and

5. chemical oxidation, the groundwater remedial technology selected by the City via focused feasibility evaluations during preparation of the successful U.S. EPA Brownfield Cleanup Grant application, would be most effective if applied to both the shallow and intermediate groundwater zones in the apparent source area.

Analytical results from the comprehensive groundwater sampling program indicate widespread distribution of TCE at relatively low concentrations across the Site. TCE is generally above the VRP Tier II Residential Cleanup goal, but below the VRP Tier II Nonresidential Cleanup goal in the shallow, intermediate and deep portions of groundwater. Note that findings from this and

previous investigations indicate that much if not all of the TCE present in Area C is migrating onto the Site and is part of a much larger groundwater plume.

Please, call me at 847-291-4321 with any questions or comments concerning this summary report letter.

Sincerely,

Matthew A. Young for

Terry Baehr
Senior Hydrogeologist

PH/jab

Attachments

ct.: Ann Kolata, South Bend Development Commission
George Plews, Plews Shadley Racher & Braun
Lance Turley, Hull & Associates Inc.
Phil Hutton, Hull & Associates Inc.

TABLE

DELINEATION ASSESSMENT ACTIVITIES
AREA C - CITY OF SOUTH BEND, INDIANA

TABLE 1

SUMMARY OF DETECTED ANALYTES IN GROUNDWATER

Sample Location	Sample Identification	Sample Date	Sample Depth	Analyte Type	Compound	Results ug/L	Units	VRP Residential Groundwater Cleanup Goal	VRP Nonresidential Groundwater Cleanup Goal
DP1I (DP1D)	SBI020:DP1D:G040104:505	04/01/04	45'	8260b VOCs	Tetrachloroethene	2.9	ug/L	5	56.1
					Trichloroethene	**12.3**	ug/L	5	260
DP1S	SBI020:DP1S:G040104:505	04/01/04	30'	8260b VOCs	1,1,1-Trichloroethane	2.1	ug/L	200	9,190
					Tetrachloroethene	**28.4**	ug/L	5	56.1
					Trichloroethene	**7.1**	ug/L	5	260
DP2I (DP2D)	SBI020:DP2D:G033004:505	03/30/04	45'	8260b VOCs	1,1,1-Trichloroethane	2.6	ug/L	200	9,190
					Trichloroethene	4.3	ug/L	5	260
	SBI020:DP2D:G033004D:505				1,1,1-Trichloroethane	2.2	ug/L	200	9,190
					Trichloroethene	4.8	ug/L	5	260
DP2S	SBI020:DP2S:G033004:505	03/30/04	30'	8260b VOCs	1,1,1-Trichloroethane	3.4	ug/L	200	9,190
					Trichloroethene	**5.4**	ug/L	5	260
DP3I (DP3D)	SBI020:DP3D:G033004:505	03/30/04	45'	8260b VOCs	Tetrachloroethene	2.8	ug/L	5	56.1
					Trichloroethene	**10**	ug/L	5	260
DP3S	SBI020:DP3S:G033004:505	03/30/04	30'	8260b VOCs	1,1,1-Trichloroethane	1.7	ug/L	200	9,190
					Tetrachloroethene	5	ug/L	5	56.1
					Trichloroethene	**8.9**	ug/L	5	260
DP4I (DP4D)	SBI020:DP4D:G033004:505	03/30/04	45'	8260b VOCs	1,1,1-Trichloroethane	1.7	ug/L	200	9,190
					1,1-Dichloroethane	1.5	ug/L	640	10,220
					Trichloroethene	3.5	ug/L	5	260
DP4S	SBI020:DP4S:G033004:505	03/30/04	30'	8260b VOCs	1,1,1-Trichloroethane	2.2	ug/L	200	9,190
					1,1-Dichloroethane	1.2	ug/L	640	10,220
					Toluene	1.1	ug/L	NA	NA
					Trichloroethene	3.8	ug/L	5	260
DP5I (DP5D)	SBI020:DP5D:G033004:505	03/30/04	45'	8260b VOCs	1,1,1-Trichloroethane	1.9	ug/L	200	9,190
					Trichloroethene	**9.8**	ug/L	5	260
DP5S	SBI020:DP5S:G033004:505	03/30/04	30'	8260b VOCs	1,1,1-Trichloroethane	1.3	ug/L	200	9,190
					Cis-1,2-Dichloroethene	3	ug/L	70	1,022
					Tetrachloroethene	**5.2**	ug/L	5	56.1
					Trichloroethene	**9.6**	ug/L	5	260
					Vinyl Chloride	5.1	ug/L	2	10
DP6I (DP6D)	SBI020:DP6D:G040104:505	04/01/04	45'	8260b VOCs	1,1,1-Trichloroethane	3.6	ug/L	200	9,190
					Tetrachloroethene	**185**	ug/L	5	56.1
					Trichloroethene	**10.6**	ug/L	5	260
DP6S	SBI020:DP6S:G040104:505	04/01/04	30'	8260b VOCs	1,1,1-Trichloroethane	4.7	ug/L	200	9,190
					Tetrachloroethene	**126**	ug/L	5	56.1
					Trichloroethene	**8**	ug/L	5	260
	SBI020:DP6S:G040104D:505				1,1,1-Trichloroethane	4.1	ug/L	200	9,190
					Tetrachloroethene	**124**	ug/L	5	56.1
					Trichloroethene	**8.1**	ug/L	5	260

TABLE CONTINUES

DELINEATION ASSESSMENT ACTIVITIES
AREA C - CITY OF SOUTH BEND, INDIANA

TABLE 1 (CONT.)

SUMMARY OF DETECTED ANALYTES IN GROUNDWATER

Sample Location	Sample Identification	Sample Date	Sample Depth	Analyte Type	Compound	Results ug/L	Units	VRP Residential Groundwater Cleanup Goal	VRP Nonresidential Groundwater Cleanup Goal
DP7I (DP7D)	SBI020:DP7D:G033104:505	03/31/04	45'	8260b VOCs	Trichloroethene	**9.6**	ug/L	5	260
DP7S	SBI020:DP7S:G033004:505	03/30/04	30'	8260b VOCs	Toluene	1.2	ug/L	NA	NA
					Trichloroethene	2.8	ug/L	5	260
					Vinyl Chloride	1.7	ug/L	2	10
DP8I (DP8D)	SBI020:DP8D:G033104:505	03/31/04	45'	8260b VOCs	1,1,1-Trichloroethane	1.5	ug/L	200	9,190
					Tetrachloroethene	**11.9**	ug/L	5	56.1
					Trichloroethene	**16.8**	ug/L	5	260
DP8S	SBI020:DP8S:G033104:505	03/31/04	30'	8260b VOCs	1,1,1-Trichloroethane	1.5	ug/L	200	9,190
					Cis-1,2-Dichloroethene	1.5	ug/L	70	1,022
					Tetrachloroethene	**145**	ug/L	5	56.1
					Trichloroethene	**33.4**	ug/L	5	260
DP9I (DP9D)	SBI020:DP9D:G033004:505	03/30/04	45'	8260b VOCs	Trichloroethene	**14.7**	ug/L	5	260
DP9S	SBI020:DP9S:G033004:505	03/30/04	30'	8260b VOCs	Trichloroethene	**10.6**	ug/L	5	260
DP10I (DP10D)	SBI020:DP10D:G033104:505	03/31/04	45'	8260b VOCs	1,1,1-Trichloroethane	7.5	ug/L	200	9,190
					Trichloroethene	**124**	ug/L	5	260
DP10S	SBI020:DP10S:G033104:505	03/31/04	30'	8260b VOCs	1,1,1-Trichloroethane	6.8	ug/L	200	9,190
					Trichloroethene	**91.4**	ug/L	5	260
DP11I (DP11D)	SBI020:DP11D:G033104:505	03/31/04	45'	8260b VOCs	1,1,1-Trichloroethane	1.2	ug/L	200	9,190
					Cis-1,2-Dichloroethene	12.5	ug/L	70	1,022
					Tetrachloroethene	**20.7**	ug/L	5	56.1
					Trans-1,2-Dichloroethene	1.7	ug/L	NA	NA
					Trichloroethene	**29.5**	ug/L	5	260
DP11S	SBI020:DP11S:G033104:505	03/31/04	30'	8260b VOCs	1,1,1-Trichloroethane	1.5	ug/L	200	9,190
					1,1-Dichloroethane	1.3	ug/L	640	10,220
					Cis-1,2-Dichloroethene	1.2	ug/L	70	1,022
					Trichloroethene	**15.1**	ug/L	5	260
DP12I (DP12D)	SBI020:DP12D:G033104:505	03/31/04	45'	8260b VOCs	1,1,1-Trichloroethane	3.3	ug/L	200	9,190
					Cis-1,2-Dichloroethene	2.7	ug/L	70	1,022
					Tetrachloroethene	**181**	ug/L	5	56.1
					Trans-1,2-Dichloroethene	1	ug/L	NA	NA
					Trichloroethene	**18.7**	ug/L	5	260
DP12S	SBI020:DP12S:G033104:505	03/31/04	30'	8260b VOCs	1,1,1-Trichloroethane	3.7	ug/L	200	9,190
					Cis-1,2-Dichloroethene	12.3	ug/L	70	1,022
					Tetrachloroethene	**230**	ug/L	5	56.1
					Trans-1,2-Dichloroethene	6.8	ug/L	NA	NA
					Trichloroethene	**39.7**	ug/L	5	260
DP13I (DP13D)	SBI020:DP13D:G040104:505	04/01/04	45'	8260b VOCs	1,1,1-Trichloroethane	5.3	ug/L	200	9,190
					1,1-Dichloroethane	1.2	ug/L	640	10,220
					Cis-1,2-Dichloroethene	2.9	ug/L	70	1,022
					Tetrachloroethene	**97.8**	ug/L	5	56.1
					Trichloroethene	**12.3**	ug/L	5	260

TABLE CONTINUES

DELINEATION ASSESSMENT ACTIVITIES
AREA C - CITY OF SOUTH BEND, INDIANA

TABLE 1 (CONT.)

SUMMARY OF DETECTED ANALYTES IN GROUNDWATER

Sample Location	Sample Identification	Sample Date	Sample Depth	Analyte Type	Compound	Results ug/L	Units	VRP Residential Groundwater Cleanup Goal	VRP Nonresidential Groundwater Cleanup Goal
DP13S	SBI020:DP13S:G040104:505	04/01/04	30'	8260b VOCs	1,1,1-Trichloroethane	5.2	ug/L	200	9,190
					1,1-Dichloroethane	1	ug/L	640	10,220
					Cis-1,2-Dichloroethene	4.8	ug/L	70	1,022
					Tetrachloroethene	**150**	ug/L	5	56.1
					Trans-1,2-Dichloroethene	1.9	ug/L	NA	NA
					Trichloroethene	**18.7**	ug/L	5	260
DP14I (DP14D)	SBI020:DP14D:G040104:505	04/01/04	45'	8260b VOCs	Cis-1,2-Dichloroethene	6.4	ug/L	70	1,022
					Tetrachloroethene	2.2	ug/L	5	56.1
					Trichloroethene	**14.8**	ug/L	5	260
					Vinyl Chloride	2.1	ug/L	2	10
DP14S	SBI020:DP14S:G040104:505	04/01/04	30'	8260b VOCs	Cis-1,2-Dichloroethene	4.3	ug/L	70	1,022
					Tetrachloroethene	2.9	ug/L	5	56.1
					Trichloroethene	**14.4**	ug/L	5	260
DP15I (DP15D)	SBI020:DP15D:G033104:505	03/31/04	45'	8260b VOCs	1,1,1-Trichloroethane	3.7	ug/L	200	9,190
					Cis-1,2-Dichloroethene	2.7	ug/L	70	1,022
					Tetrachloroethene	**110**	ug/L	5	56.1
					Trichloroethene	**19.4**	ug/L	5	260
	SBI020:DP15D:G033104D:505				1,1,1-Trichloroethane	3.5	ug/L	200	9,190
					Cis-1,2-Dichloroethene	2.8	ug/L	70	1,022
					Tetrachloroethene	**86.5**	ug/L	5	56.1
					Trichloroethene	**17.6**	ug/L	5	260
DP15S	SBI020:DP15S:G033104:505	03/31/04	30'	8260b VOCs	1,1,1-Trichloroethane	2.7	ug/L	200	9,190
					Cis-1,2-Dichloroethene	6.2	ug/L	70	1,022
					Tetrachloroethene	**156**	ug/L	5	56.1
					Trans-1,2-Dichloroethene	3.4	ug/L	NA	NA
					Trichloroethene	**35**	ug/L	5	260
DP16I (DP16D)	SBI020:DP16D:G033104:505	03/31/04	45'	8260b VOCs	Trichloroethene	**32.6**	ug/L	5	260
DP17I (DP17D)	SBI020:DP17D:G033104:505	03/31/04	45'	8260b VOCs	1,1,1-Trichloroethane	2.1	ug/L	200	9,190
					Cis-1,2-Dichloroethene	3.2	ug/L	70	1,022
					Tetrachloroethene	**101**	ug/L	5	56.1
					Trichloroethene	**36.8**	ug/L	5	260
DP17S	SBI020:DP17S:G033104:505	03/31/04	30'	8260b VOCs	1,1,1-Trichloroethane	1.8	ug/L	200	9,190
					Cis-1,2-Dichloroethene	3.4	ug/L	70	1,022
					Tetrachloroethene	**90.6**	ug/L	5	56.1
					Trichloroethene	**34.8**	ug/L	5	260
DP18I (DP18D)	SBI020:DP18D:G033104:505	03/31/04	45'	8260b VOCs	Trichloroethene	**31.4**	ug/L	5	260
DP18S	SBI020:DP18S:G033104:505	03/31/04	30'	8260b VOCs	Trichloroethene	**18**	ug/L	5	260
MW1S (MW1)	SBI020:MW1:G072204:509	07/22/04	13'-23'	8260b VOCs	Tetrachloroethene	**7,820**	ug/L	5	56.1
	SBI028:MW1:G042005:509	4/20/05		8260b VOCs	Tetrachloroethene	**5,850**	ug/L	5	56.1
HMW1I	SBI028:MW1I:G042005:509	4/20/05	38'-48'	8260b VOCs	Tetrachloroethene	4.9	ug/L	5	56.1
					Trichloroethene	**16.3**	ug/L	5	260

TABLE CONTINUES

DELINEATION ASSESSMENT ACTIVITIES
AREA C - CITY OF SOUTH BEND, INDIANA

TABLE 1 (CONT.)

SUMMARY OF DETECTED ANALYTES IN GROUNDWATER

Sample Location	Sample Identification	Sample Date	Sample Depth	Analyte Type	Compound	Results ug/L	Units	VRP Residential Groundwater Cleanup Goal	VRP Nonresidential Groundwater Cleanup Goal
HMW1D	SBI028:MW1D:G042005:509	4/20/05	71'-76'	8260b VOCs	Cis-1,2-Dichloroethene	1.1	ug/L	70	1,022
					Tetrachloroethene	**10.6**	ug/L	5	56.1
					Trichloroethene	**15.8**	ug/L	5	260
MW2S (MW2)	SBI020:MW2:G072204:509	07/22/04	13'-23'	8260b VOCs	Cis-1,2-Dichloroethene	1.3	ug/L	70	1,022
					Trichloroethene	2	ug/L	5	260
MS4S (MW4)	SBI020:MW4:G072204:509	07/22/04	13.5'-24.5'	8260b VOCs	Trichloroethene	1.9	ug/L	5	260
MW8S (MW8)	SBI020:MW8:G072204:509	07/22/04	15.5'-25.5'	8260b VOCs	1,1,1-Trichloroethane	1.6	ug/L	200	9,190
					Tetrachloroethene	1.8	ug/L	5	56.1
					Trichloroethene	1.3	ug/L	5	260
	SBI020:MW8:G072204A:509				1,1,1-Trichloroethane	1.6	ug/L	200	9,190
					Tetrachloroethene	1.3	ug/L	5	56.1
					Trichloroethene	1	ug/L	5	260
MW10S (MW10)	SBI020:PMW10:G072204:509	07/22/04	19'-29'	8260b VOCs	1,1,1-Trichloroethane	6.9	ug/L	200	9,190
					1,1-Dichloroethane	1.3	ug/L	640	10,220
					Tetrachloroethene	**506**	ug/L	5	56.1
					Trichloroethene	1.9	ug/L	5	260
	SBI020:PMW10:G072204A:509			8260b VOCs	1,1,1-Trichloroethane	6.3	ug/L	200	9,190
					1,1-Dichloroethane	1.2	ug/L	640	10,220
					Tetrachloroethene	**517**	ug/L	5	56.1
					Trichloroethene	2.3	ug/L	5	260
	SBI028:MW10S:G042005:509	4/20/05		8260b VOCs	1,1,1-Trichloroethane	15	ug/L	200	9,190
					Tetrachloroethene	**269**	ug/L	5	56.1
					Trichloroethene	**8.8**	ug/L	5	260
	SBI028:MW10S:G042005A:509			8260b VOCs	1,1,1-Trichloroethane	14.9	ug/L	200	9,190
					Tetrachloroethene	**269**	ug/L	5	56.1
					Trichloroethene	**10.3**	ug/L	5	260
MW11S (MW11)	SBI020:PMW11:G072204:509	07/22/04	19'-29'	8260b VOCs	1,1,1-Trichloroethane	2.2	ug/L	200	9,190
					Tetrachloroethene	**216**	ug/L	5	56.1
					Trichloroethene	**7.1**	ug/L	5	260
	SBI028:MW11S:G042005:509	4/20/05		8260b VOCs	1,1,2-Trichloroethane	1	ug/L	5	50.2
					1,1-Dichloroethene	1	ug/L	640	10,220
					Cis-1,2-Dichloroethene	32.7	ug/L	70	1,022
					Tetrachloroethene	**190**	ug/L	5	56.1
					Trans-1,2-Dichloroethene	4.6	ug/L	NA	NA
					Trichloroethene	**41.6**	ug/L	5	260
					Vinyl Chloride	**18.7**	ug/L	2	10

TABLE CONTINUES

DELINEATION ASSESSMENT ACTIVITIES
AREA C - CITY OF SOUTH BEND, INDIANA

TABLE 1 (CONT.)

SUMMARY OF DETECTED ANALYTES IN GROUNDWATER

Sample Location	Sample Identification	Sample Date	Sample Depth	Analyte Type	Compound	Results ug/L	Units	VRP Residential Groundwater Cleanup Goal	VRP Nonresidential Groundwater Cleanup Goal
MW12S (MW12)	SBI020:PMW12:G072204:509	07/22/04	19'-29'	8260b VOCs	1,1,1-Trichloroethane	2.9	ug/L	200	9,190
					Cis-1,2-Dichloroethene	4.2	ug/L	70	1,022
					Tetrachloroethene	**54.2**	ug/L	5	56.1
					Trichloroethene	1.9	ug/L	5	260
	SBI028:MW12S:G042005:509	4/20/2005		8260b VOCs	2-Butanone	16.4	ug/L	917	5,100
					Tetrachloroethene	**24.6**	ug/L	5	56.1
MW13S (MW13)	SBI020:PMW13:G072204:509	07/22/04	19'-29'	8260b VOCs	1,1,1-Trichloroethane	3.3	ug/L	200	9,190
					Cis-1,2-Dichloroethene	7.4	ug/L	70	1,022
					Tetrachloroethene	**145**	ug/L	5	56.1
					Trans-1,2-Dichloroethene	1.2	ug/L	NA	NA
					Trichloroethene	**37.1**	ug/L	5	260
	SBI028:MW13S:G042005:509	4/20/2005		8260b VOCs	1,1,1-Trichloroethane	1.8	ug/L	200	9,190
					Cis-1,2-Dichloroethene	5.2	ug/L	70	1,022
					Tetrachloroethene	**73.3**	ug/L	5	56.1
					Trans-1,2-Dichloroethene	2	ug/L	NA	NA
					Trichloroethene	**18.6**	ug/L	5	260
MW14S (MW14)	SBI020:PMW14:G072204:509	07/22/04	19'-29'	8260b VOCs	Cis-1,2-Dichloroethene	33.8	ug/L	70	1,022
					Tetrachloroethene	**27.5**	ug/L	5	56.1
					Trans-1,2-Dichloroethene	5.2	ug/L	NA	NA
					Trichloroethene	**76.6**	ug/L	5	260
					Vinyl Chloride	**3.8**	ug/L	2	10
MW15S (MW15)	SBI020:PMW15:G072204:509	07/22/04	21'-31'	8260b VOCs	1,1,1-Trichloroethane	3.3	ug/L	200	9,190
					Cis-1,2-Dichloroethene	6	ug/L	70	1,022
					Tetrachloroethene	**128**	ug/L	5	56.1
					Trans-1,2-Dichloroethene	2.9	ug/L	NA	NA
					Trichloroethene	**21.8**	ug/L	5	260
	SBI028:MW15S:G042005:509	4/20/2005		8260b VOCs	1,1,1-Trichloroethane	2.2	ug/L	200	9,190
					1,1,2-Trichloroethane	1.2	ug/L	5	50.2
					Cis-1,2-Dichloroethene	**10.6**	ug/L	70	1,022
					Tetrachloroethene	**139**	ug/L	5	56.1
					Trans-1,2-Dichloroethene	6.2	ug/L	NA	NA
					Trichloroethene	**26.8**	ug/L	5	260
MW16S (MW16)	SBI020:PMW16:G072204:509	07/22/04	21'-31'	8260b VOCs	1,1,1-Trichloroethane	2.8	ug/L	200	9,190
					Cis-1,2-Dichloroethene	13.4	ug/L	70	1,022
					Tetrachloroethene	**192**	ug/L	5	56.1
					Trichloroethene	**41.3**	ug/L	5	260
	SBI028:MW16S:G042005:509	4/20/2005		8260b VOCs	1,1,1-Trichloroethane	1.6	ug/L	200	9,190
					1,1,2-Trichloroethane	1.2	ug/L	5	50.2
					Cis-1,2-Dichloroethene	9.5	ug/L	70	1,022
					Tetrachloroethene	**237**	ug/L	5	56.1
					Trans-1,2-Dichloroethene	6.1	ug/L	NA	NA
					Trichloroethene	**53.2**	ug/L	5	260

TABLE CONTINUES

DELINEATION ASSESSMENT ACTIVITIES
AREA C - CITY OF SOUTH BEND, INDIANA

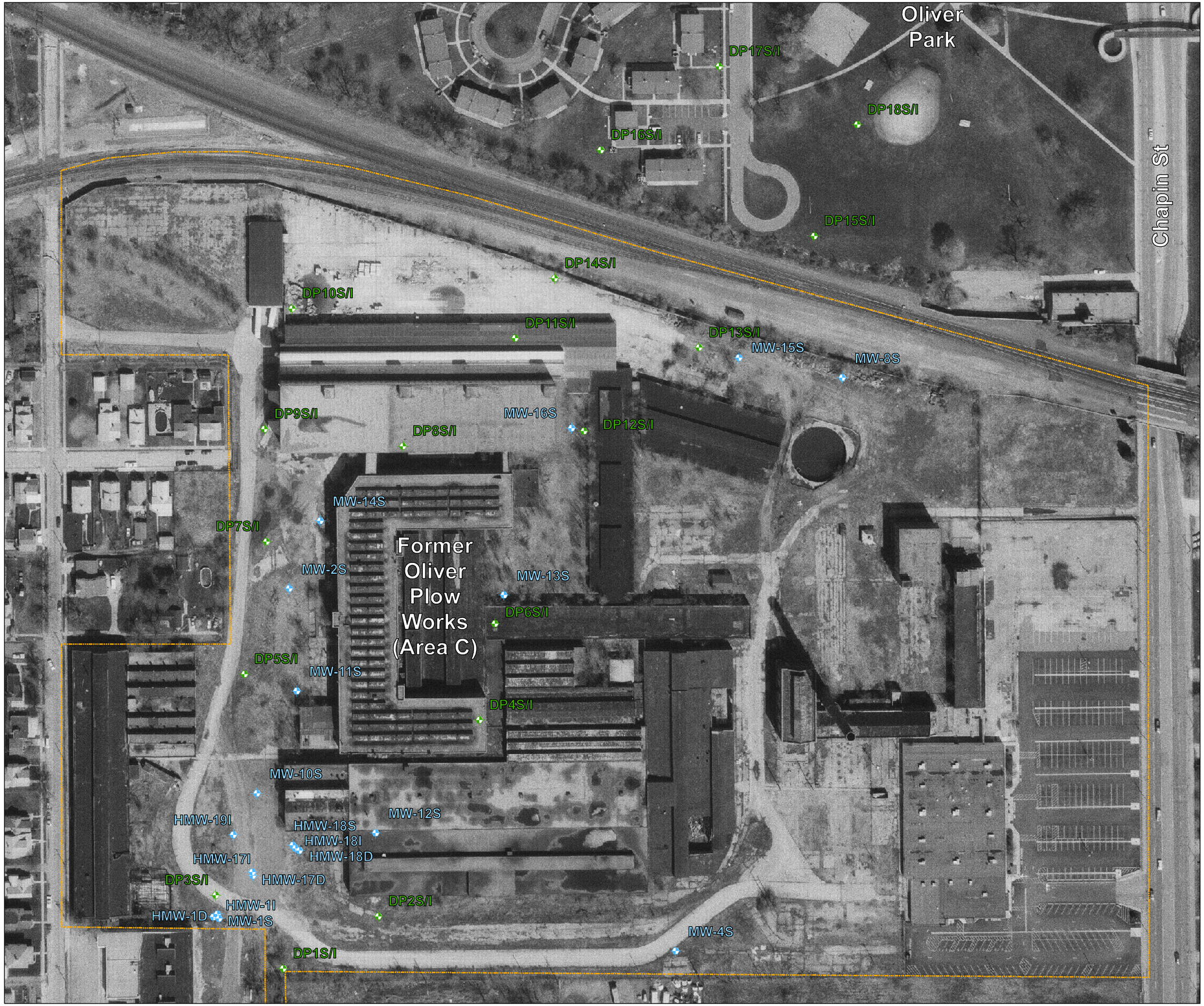
TABLE 1 (CONT.)

SUMMARY OF DETECTED ANALYTES IN GROUNDWATER

Sample Location	Sample Identification	Sample Date	Sample Depth	Analyte Type	Compound	Results ug/L	Units	VRP Residential Groundwater Cleanup Goal	VRP Nonresidential Groundwater Cleanup Goal
HMW17I	SBI028:HMW17I:G042005:509	4/20/2005	38'-48'	8260b VOCs	Tetrachloroethene	**11.4**	ug/L	5	56.1
					Trichloroethene	**13.9**	ug/L	5	260
HMW17D	SBI028:HMW17D:G042005:509	4/20/2005	83'-88'	8260b VOCs	Cis-1,2-Dichloroethene	1.2	ug/L	70	1,022
					Tetrachloroethene	3.4	ug/L	5	56.1
					Trichloroethene	**22.4**	ug/L	5	260
HMW18S	SBI028:HMW18S:G042005:509	4/20/2005	17'-27'	8260b VOCs	1,1,1-Trichloroethane	1.4	ug/L	200	9,190
					1,1,2-Trichloroethane	2.5	ug/L		
					Tetrachloroethene	**213**	ug/L	5	56.1
					Trichloroethene	**5.2**	ug/L	5	260
HMW18I	SBI028:HMW18I:G042005:509	4/20/2005	38'-48'	8260b VOCs	1,1,1-Trichloroethane	1	ug/L	200	9,190
					Trichloroethene	**12.6**	ug/L	5	260
HMW18D	SBI028:HMW18D:G042005:509	4/20/2005	83'-88'	8260b VOCs	Cis-1,2-Dichloroethene	1.1	ug/L	70	1,022
					Trichloroethene	**17.2**	ug/L	5	260
HMW19I	SBI028:HMW19:G042005:509	4/20/2005	31'-36'	8260b VOCs	Sec-Butylbenzene	2	ug/L	NS	NS
					Tetrachloroethene	**61**	ug/L	5	56.1
					Trichloroethene	**14.2**	ug/L	5	260
	SBI028:HMW19:G042005A:509	4/20/2005		8260b VOCs	N-Propylbenzene	2.1	ug/L	NS	NS
					Naphthalene	8.5	ug/L	1,216	4,088
					Sec-Butylbenzene	1.9	ug/L	NS	NS
					Tetrachloroethene	**42.8**	ug/L	5	56.1
					Trichloroethene	**11.8**	ug/L	5	260

( ) - Sample location with ID in parentheses indicates former sample location identification.
NA - Not applicable
NS - No Cleanup Goal/Closure Level Not Available.
Result exceeds the VRP Groundwater Cleanup Goal for Residential Land Use.
Result exceeds the VRP Groundwater Cleanup Goal for Residential and Nonresidential Land Use.

PLATES



Produced using ArcGIS 9.0

Legend

- Property Boundary
- Direct Push Groundwater Sample Location
- Monitoring Well Location

Groundwater Sample Collected

DP	April 2004
MW-2S, MW-4S, MW-8S, and MW-14S	July 2004
MW-1S, HMW-1I, HMW-1D, MW-10S, MW-11S, MW-12S, MW-13S, MW-15S, MW-16S, HMW-17I, HMW-17D, HMW-18S, HMW-18I, HMW-18D, and HMW-19I	April 2005

Quadrangle Location

0 35 70 140 Feet

1:841

N

Delineation Assessment Activities
Area C

Groundwater Sample Locations

City of South Bend, St. Joseph County, Indiana

Hull & associates, inc.

707 Skokie Boulevard
Suite #600
Northbrook, Illinois 60062

Phone: (847) 291-4321
Fax: (847) 291-4323
www.hullinc.com

Date: July 2005

Project Number: SBI028
Geodatabase: SBI020.mdb
File Name: SBI028_02_Fig01_GWSamplLocs.mxd

Plate 1

Produced using ArcGIS 9.0

Groundwater Water Sampling Results

MW1S Location ID
<1.0 Tetrachloroethene (PCE) Result (µg/L)
<1.0 Trichlororethene (TCE) Result (µg/L)
<1.0 Vinyl Chloride Result (µg/L)

Note: Concentrations that are underlined exceed the VRP Tier II nonresidential groundwater cleanup goal.

VRP Tier II Groundwater Cleanup Goals (µg/L)

	Residential	Nonresidential
PCE	5	56.1
TCE	5	260
Vinyl Chloride	2	10

Legend

- Property Boundary
- Direct Push Groundwater Sample Location
- Monitoring Well Location

Groundwater Sample Collected

DP	April 2004
MW-2S, MW-4S, MW-8S, MW-14S	July 2004
MW-1S, MW-10S, MW-11S, MW-12S, MW-13S, MW-15S, MW-16S, HMW-18S	April 2005

Quadrangle Location

0 30 60 120 Feet
1:840

N

Delineation Assessment Activities
Area C

Distribution of PCE, TCE, and Vinyl Chloride in Groundwater - Shallow Zone

City of South Bend, St. Joseph County, Indiana

Hull & associates, inc.
707 Skokie Boulevard
Suite #600
Northbrook, Illinois 60062
Phone: (847) 291-4321
Fax: (847) 291-4323
www.hullinc.com

Date: July 2005

Project Number: SBI028
Geodatabase: SBI020.mdb
File Name: SBI028_02_Fig02_UpperZone.mxd

Plate 2

Produced using ArcGIS 9.0

Groundwater Water Sampling Results

MW1S Location ID
<1.0 Tetrachloroethene (PCE) Result (µg/L)
<1.0 Trichlororethene (TCE) Result (µg/L)
<1.0 Vinyl Chloride Result (µg/L)

Note: Concentrations that are underlined exceed the VRP Tier II nonresidential groundwater cleanup goal.

VRP Tier II Groundwater Cleanup Goals (µg/L)

	Residential	Nonresidential
PCE	5	56.1
TCE	5	260
Vinyl Chloride	2	10

Legend

- Property Boundary
- Direct Push Groundwater Sample Location
- Monitoring Well Location

Groundwater Sample Collected

DP	April 2004
HMW-1I, HMW-17I,HMW-18I, HMW-19I	April 2005

Quadrangle Location

0 30 60 120 Feet
1:840

N

Delineation Assessment Activities
Area C

Distribution of PCE, TCE, and Vinyl Chloride in Groundwater - Intermediate Zone

City of South Bend, St. Joseph County, Indiana

Hull & associates, inc.
707 Skokie Boulevard
Suite #600
Northbrook, Illinois 60062
Phone: (847) 291-4321
Fax: (847) 291-4323
www.hullinc.com

Date: February 2005

Project Number: SBI028
Geodatabase: SBI020.mdb
File Name: SBI028_02_Fig03_IntermZone.mxd

Plate 3

Groundwater Water Sampling Results

MW1S Location ID
<1.0 Tetrachloroethene (PCE) Result (µg/L)
<1.0 Trichlororethene (TCE) Result (µg/L)
<1.0 Vinyl Chloride Result (µg/L)

Note: Concentrations that are underlined exceed the VRP Tier II nonresidential groundwater cleanup goal.

VRP Tier II Groundwater Cleanup Goals (µg/L)

	Residential	Nonresidential
PCE	5	56.1
TCE	5	260
Vinyl Chloride	2	10

Legend

- Property Boundary
- Direct Push Groundwater Sample Location
- Monitoring Well Location

Groundwater Sample Collected
All samples collected in April 2005

Quadrangle Location

0 30 60 120 Feet
1:840

N

Delineation Assessment Activities
Area C

Distribution of PCE, TCE, and Vinyl Chloride in Groundwater - Deep Zone

City of South Bend, St. Joseph County, Indiana

Hull & associates, inc.
707 Skokie Boulevard
Suite #600
Northbrook, Illinois 60062
Phone: (847) 291-4321
Fax: (847) 291-4323
www.hullinc.com

Date: July 2005

Project Number: SBI028
Geodatabase: SBI020.mdb
File Name: SBI028_02_Fig03_IntermZone.mxd

Plate 4

Produced using ArcGIS 9.0

Produced using ArcGIS 9.0

Legend

- Calculated Groundwater Contours
- Inferred Groundwater Contours
- Flow Direction
- Property Boundary

Groundwater Sample Collected
Measurements collected in April 2005

Quadrangle Location

0 35 70 140 Feet
1:840

N

Delineation Assessment Activities
Area C

Potentiometric Surface Map
Shallow Zone

City of South Bend, St. Joseph County, Indiana

Hull & associates, inc.

707 Skokie Boulevard
Suite #600
Northbrook, Illinois 60062

Phone: (847) 291-4321
Fax: (847) 291-4323
www.hullinc.com

Date: July 2005

Project Number: SBI028
Geodatabase: SBI020.mdb
File Name: SBI028_02_Fig05_GWContShal.mxd

Plate 5

ATTACHMENT A

Field Data Sheets and Sample Chain-Of-Custody

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW13I
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER:
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Sunny
BAROMETRIC PRESSURE: 30.07in
WIND DIRECTION: SW 10-15 mph
TEMPERATURE (°F): 71

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 50.05
VOLUME OF STATIC WATER: 4.87
STATIC WATER LEVEL (FROM TOC): 20.16
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: Keck Pump
PURGING RATE: 0.5-1 L/min
TIME OF PURGING: 1015
VOLUME PURGED: 24.50

WELL VOLUMES PURGED	Initial	1	2	3	4	5	6/Final
Time							
pH	7.23	7.14	7.11	7.10	7.09	7.05	
Temp.	13.7	13.7	13.6	13.6	13.7	13.7	
Spec. Cond.							
Corr. Cond.	946	927	890	880	882	880	
Redox Pot.							
D.O.							
Turbidity							
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 29.89	X 3	24.35
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: —
SAMPLING METHOD: —
SAMPLING RATE (IF USING DEDICATED PUMP): —
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

Development

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: Hanford
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER:
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Sunny
BAROMETRIC PRESSURE: 30.09
WIND DIRECTION: SW 10-15 mph
TEMPERATURE (°F): 74

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 90.27
VOLUME OF STATIC WATER: 11.50
STATIC WATER LEVEL (FROM TOC): 19.71
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: Keck pump
PURGING RATE: 0.5-1.0 gpm/min
TIME OF PURGING: 1040
VOLUME PURGED: 58.0 gal

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time							
pH	7.63	7.55	7.35	7.35	7.29	7.30	
Temp.	15.0	13.5	13.4	13.4	13.5	13.4	
Spec. Cond.							
Corr. Cond.	779	830	835	840	842	843	
Redox Pot.							
D.O.							
Turbidity							
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 70.56	X 3	57.51
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: —
SAMPLING METHOD: —
SAMPLING RATE (IF USING DEDICATED PUMP): —
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

Development

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L, Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW19
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
PROJECT NUMBER:
ADDRESS:
TELEPHONE:
CONTACT:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: Good
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: SW 10-15 MPH
BAROMETRIC PRESSURE: 29.95 in
TEMPERATURE (°F): 78

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 39.26
STATIC WATER LEVEL (FROM TOC): 19.81
VOLUME OF STATIC WATER: 3-17
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: Keck Pump
TIME OF PURGING: 1400
PURGING RATE: 0.5-1.0 gal/min
VOLUME PURGED: 16.00

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time							
pH	7.37	7.36	7.36	7.39	7.40	7.35	
Temp.	16.0	14.4	14.3	14.2	14.2	14.1	
Spec. Cond.							
Corr. Cond.	1052	1047	1053	1057	1058	1055	
Redox Pot.							
D.O.							
Turbidity							
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 19.45	X 3	15.85
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: —
SAMPLING RATE (IF USING DEDICATED PUMP): —
SAMPLING METHOD: —
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

Development - Sheen on water

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW17 I
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER:
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Sunny
BAROMETRIC PRESSURE: 30.02 in
WIND DIRECTION: SW 10-15 mph
TEMPERATURE (°F): 74

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 50.05
VOLUME OF STATIC WATER: 4.81
STATIC WATER LEVEL (FROM TOC): 20.54
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: Keck pump
PURGING RATE: 0.5-1.0 gal/min
TIME OF PURGING: 1118
VOLUME PURGED: 24.50

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time		7.24					
pH	7.36	7.24	7.14	7.17	7.04	7.09	
Temp.	13.4	13.5	13.6	13.6	13.7	13.7	
Spec. Cond.							
Corr. Cond.	892	981	1016	1007	1008	1007	
Redox Pot.							
D.O.							
Turbidity							
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 29.49	X 3	24.03
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: —
SAMPLING METHOD: —
SAMPLING RATE (IF USING DEDICATED PUMP): —
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

Development

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW185
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER: ~~HMW185~~
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Sunny
BAROMETRIC PRESSURE: 30.00 in
WIND DIRECTION: SW 10-15 mph
TEMPERATURE (°F): 77

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 30.17
VOLUME OF STATIC WATER: 1.49
STATIC WATER LEVEL (FROM TOC): 21.05
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: Disp Bailer
PURGING RATE: Variable
TIME OF PURGING: 1222
VOLUME PURGED: 7.50

WELL VOLUMES PURGED	Initial	1	2	3	4	5	6/Final
Time							
pH	6.88	6.98	6.93	6.95	6.94	6.93	
Temp.	12.4	12.0	12.2	12.1	12.2	12.2	
Spec. Cond.							
Corr. Cond.	1215	1250	1182	1176	1173	1174	
Redox Pot.							
D.O.							
Turbidity							
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 9.12	X 3	7.43
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: —
SAMPLING METHOD: —
SAMPLING RATE (IF USING DEDICATED PUMP): —
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

Development

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW18I
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
PROJECT NUMBER:
ADDRESS:
TELEPHONE:
CONTACT:

MONITORING WELL DATA

COORDINATES: N E
CONDITION OF WELL: Good
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: SW 12-15 mph
BAROMETRIC PRESSURE: 30.00 in
TEMPERATURE (°F): 77

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 50.17
STATIC WATER LEVEL (FROM TOC): 21.43
VOLUME OF STATIC WATER: 4.68
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: Keck Pump
TIME OF PURGING: ~~1305~~ 1205
PURGING RATE: 0.5-1.0 gal/min
VOLUME PURGED: 23.50

WELL VOLUMES PURGED	Initial	1	2	3	4	5	6/Final
Time					7.34		
pH	7.45	7.31	7.35	7.33	~~7.34~~	7.34	
Temp.	13.8	13.9	14.1	14.1	14.1	14.0	
Spec. Cond.							
Corr. Cond.	797	851	883	895	896	900	
Redox Pot.							
D.O.							
Turbidity							
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 28.74	X 3	23.42
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: —
SAMPLING RATE (IF USING DEDICATED PUMP): —
SAMPLING METHOD: —
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW18D
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
PROJECT NUMBER:
ADDRESS:
TELEPHONE:
CONTACT:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: Good
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: SW 10-15 mph
BAROMETRIC PRESSURE: 30.00 in
TEMPERATURE (°F): 77

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 89.89
STATIC WATER LEVEL (FROM TOC): 21.05
VOLUME OF STATIC WATER: 11.22
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: Keck pump
PURGING RATE: 0.5-1.0 gal/min
TIME OF PURGING: 1138
VOLUME PURGED: 56.50

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time							
pH	7.31	7.28	7.62	7.71	7.68	7.67	
Temp.	15.1	13.6	13.9	13.9	13.9	13.8	
Spec. Cond.							
Corr. Cond.	956	843	858	856	858	855	
Redox Pot.							
D.O.							
Turbidity							
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 68.84	X 3	56.10
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: -
SAMPLING RATE (IF USING DEDICATED PUMP): -
SAMPLING METHOD: -
STATIC WATER LEVEL (AFTER SAMPLING): -

NOTES

Development

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW19
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER: SBI 028
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Overcast
BAROMETRIC PRESSURE: 29.90 in
WIND DIRECTION: W 15-20 mph
TEMPERATURE (°F): 68

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 39.26
VOLUME OF STATIC WATER: 3.17
STATIC WATER LEVEL (FROM TOC): 19.81
GROUNDWATER ELEVATION: —

PURGING DATA

DATE OF PURGING: 4/20/08
PURGING METHOD: Keck pump
PURGING RATE: 0.5-1.0 gal/min
TIME OF PURGING: 0730
VOLUME PURGED: 10.0 gal

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time							
pH	7.51	7.44	7.41	7.40			7.40
Temp.	14.0	13.2	13.2	13.3			13.3
Spec. Cond.							
Corr. Cond.	1036	1052	1049	1050			1050
Redox Pot.							
D.O.							
Turbidity							
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 19.45	X 3	9.51
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/08 1030
SAMPLING METHOD: Disp Bailer
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW 1D
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER: 582028
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Overcast
BAROMETRIC PRESSURE: 29.86 in
WIND DIRECTION: W 10-15 mph
TEMPERATURE (°F): 69

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 73.96
VOLUME OF STATIC WATER: 8.71
STATIC WATER LEVEL (FROM TOC): 20.53
GROUNDWATER ELEVATION: —

PURGING DATA

DATE OF PURGING: 4/20/08
PURGING METHOD: Keck pump
PURGING RATE: 0.5-1.0 gal/min
TIME OF PURGING: 0702
VOLUME PURGED: 26.50 gal

WELL VOLUMES PURGED	Initial	1	2	3	4	5	6/Final
Time							
pH	7.35	7.40	7.56	7.57			7.57
Temp.	12.7	12.8	13.0	13.0			13.0
Spec. Cond.							
Corr. Cond.	864	857	859	8.60			8.60
Redox Pot.							
D.O.							
Turbidity							
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 53.43	X 3	26.13
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/08 0924
SAMPLING METHOD: Disp Bailer
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW12
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER: SBE028
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Overcast
BAROMETRIC PRESSURE: 29.86 in
WIND DIRECTION: W 10-15 MPH
TEMPERATURE (°F): 69

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 50.05
VOLUME OF STATIC WATER: 4.87
STATIC WATER LEVEL (FROM TOC): 20.16
GROUNDWATER ELEVATION: —

PURGING DATA

DATE OF PURGING: 4/20/05
PURGING METHOD: Keck Pump
PURGING RATE: 0.5-1.0 gal/min
TIME OF PURGING: 0653
VOLUME PURGED: 15.0 gal

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time							
pH	7.51	7.33	7.38	7.34			7.34
Temp.	12.9	13.0	13.0	13.1			13.1
Spec. Cond.							
Corr. Cond.	903	905	887	880			880
Redox Pot.							
D.O.							
Turbidity							
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 29.89	X 3	14.61
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/05 0914
SAMPLING METHOD: Disp Bailer
SAMPLING RATE (IF USING DEDICATED PUMP): <100ml/min
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW170
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER: SA2028
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Overcast
BAROMETRIC PRESSURE: 29.90 in
WIND DIRECTION: W 15-20 mph
TEMPERATURE (°F): 68

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 90.27
VOLUME OF STATIC WATER: 11.50
STATIC WATER LEVEL (FROM TOC): 19.71
GROUNDWATER ELEVATION: —

PURGING DATA

DATE OF PURGING: 4/20/05
PURGING METHOD: Keck Pump
PURGING RATE: 0.5-1.0 gal/min
TIME OF PURGING: 0633
VOLUME PURGED: 35.0 gal

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time							
pH	7.32	7.26	7.30	7.31			7.31
Temp.	12.5	13.3	13.2	13.2			13.2
Spec. Cond.							
Corr. Cond.	997	1004	1001	1000			1000
Redox Pot.							
D.O.							
Turbidity							
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 70.56	X 3	34.50
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/05 1010
SAMPLING METHOD: Disp Bailer
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L, Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW17I
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
PROJECT NUMBER: SB2028
ADDRESS:
TELEPHONE:
CONTACT:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: Good
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: Overcast
WIND DIRECTION: W 15-20 mph
BAROMETRIC PRESSURE: 29.90 in
TEMPERATURE (°F): 68

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 50.05
STATIC WATER LEVEL (FROM TOC): 20.56
VOLUME OF STATIC WATER: 4.81
GROUNDWATER ELEVATION: —

PURGING DATA

DATE OF PURGING: 4/20/05
PURGING METHOD: Keck pump
TIME OF PURGING: 0624
PURGING RATE: 0.5-1.0 gal/min
VOLUME PURGED: 15.0 gal

WELL VOLUMES PURGED	Initial	1	2	3	4	5	6/Final
Time							
pH	7.54	7.60	7.53	7.50			7.50
Temp.	13.8	13.1	13.1	13.0			13.0
Spec. Cond.							
Corr. Cond.	786	891	837	840			840
Redox Pot.							
D.O.							
Turbidity							
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 29.49	X 3	14.43
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/05 1020
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
SAMPLING METHOD: Disp Bailer
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW 18S
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER: SB I 023
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Overcast
BAROMETRIC PRESSURE: 29.87 in
WIND DIRECTION: W 15-20 mph
TEMPERATURE (°F): 70

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 30.17
VOLUME OF STATIC WATER: 1.49
STATIC WATER LEVEL (FROM TOC): 21.05
GROUNDWATER ELEVATION: —

PURGING DATA

DATE OF PURGING: 4/20/05
PURGING METHOD: ~~Hee~~ Disp Bailer
PURGING RATE: Variable
TIME OF PURGING: 0614
VOLUME PURGED: 5.0 gal

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time							
pH	7.05	7.00	7.02	7.04			7.04
Temp.	11.7	11.7	11.8	11.8			11.8
Spec. Cond.							
Corr. Cond.	1192	1211	1162	1158			1158
Redox Pot.							
D.O.							
Turbidity							
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 9.12	X 3	4.47
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/05 0954
SAMPLING METHOD: Disp Bailer
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW8I
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER: SB2028
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Overcast
BAROMETRIC PRESSURE: 29.87 in
WIND DIRECTION: W 15-20 mph
TEMPERATURE (°F): 70

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 50.17
VOLUME OF STATIC WATER: 4.68
STATIC WATER LEVEL (FROM TOC): 21.43
GROUNDWATER ELEVATION: —

PURGING DATA

DATE OF PURGING: 4/20/05
PURGING METHOD: Keck Pump
PURGING RATE: 0.5-1.0 gal/min
TIME OF PURGING: 0604
VOLUME PURGED: 14.50 gal

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time							
pH	7.31	7.27	7.28	7.27			7.27
Temp.	14.6	13.2	13.3	13.3			13.3
Spec. Cond.							
Corr. Cond.	860	855	860	864			864
Redox Pot.							
D.O.							
Turbidity							
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 28.74	X 3	14.04
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/05 0944
SAMPLING METHOD: Disp Bailer
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: HMW18D
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER: 58:028
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: overcast
BAROMETRIC PRESSURE: 29.86 in
WIND DIRECTION: W 10-15 mph
TEMPERATURE (°F): 69

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 89.89
VOLUME OF STATIC WATER: 11.22
STATIC WATER LEVEL (FROM TOC): 21.05
GROUNDWATER ELEVATION: —

PURGING DATA

DATE OF PURGING: 4/20/x
PURGING METHOD: Keck pump
PURGING RATE: 0.5-1.0 gal/min
TIME OF PURGING: ~~0540~~ 0540
VOLUME PURGED: 34.0 gal

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time							
pH	7.66	7.43	7.39	7.38			7.38
Temp.	15.5	13.4	13.3	13.2			13.2
Spec. Cond.							
Corr. Cond.	876	841	847	847			847
Redox Pot.							
D.O.							
Turbidity							
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	3.66
2	0.163	X 68.84	X 3	~~56.0~~
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/x 0934
SAMPLING METHOD: Disp Bailer
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW125
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
PROJECT NUMBER: 5B6028
ADDRESS:
TELEPHONE:
CONTACT:

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: Overcast
WIND DIRECTION: N 15-20 mph
BAROMETRIC PRESSURE: 29.86 in
TEMPERATURE (°F): 69

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 30.67
STATIC WATER LEVEL (FROM TOC): 21.87
VOLUME OF STATIC WATER: 1.43
GROUNDWATER ELEVATION: –

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: 2" Disp. bailer
TIME OF PURGING: 1432
PURGING RATE: Variable
VOLUME PURGED: 4.5

WELL VOLUMES PURGED

	Initial	1	2	3	4	5	6/Final
Time							
pH	6.90	6.92	6.86	6.85			6.85
Temp.	13.15	13.04	12.95	12.89			12.9
Spec. Cond.							
Corr. Cond.	1570	1580	1341	1365			1365
Redox Pot.							
D.O.							
Turbidity							
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 8.85	X 3	4.30
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/05 0854
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
SAMPLING METHOD: Disp bailer
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW155
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
PROJECT NUMBER: SB2028
ADDRESS:
TELEPHONE:
CONTACT:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: Good
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: Overcast
WIND DIRECTION: SW 10-15 MPH
BAROMETRIC PRESSURE: 29.82 in
TEMPERATURE (°F): 66

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 33.13
STATIC WATER LEVEL (FROM TOC): 23.67
VOLUME OF STATIC WATER: 1.54
GROUNDWATER ELEVATION: —

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: 2" disp bailer
TIME OF PURGING: 1543
PURGING RATE: Variable
VOLUME PURGED: 4.75

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time							
pH	7.17	7.02	7.03	6.95			6.95
Temp.	12.69	12.35	12.46	12.63			126
Spec. Cond.							
Corr. Cond.	1207	1210	1211	1210			1210
Redox Pot.							
D.O.							
Turbidity							
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 9.46	X 3	4.63
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/05 0804
SAMPLING RATE (IF USING DEDICATED PUMP): Slow min/gpm
SAMPLING METHOD: Disp Bailer
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW16S
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
PROJECT NUMBER: SB5029
ADDRESS:
TELEPHONE:
CONTACT:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: Good
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: Overcast
WIND DIRECTION: SW 10-15 mph
BAROMETRIC PRESSURE: 29.87 in
TEMPERATURE (°F): 66

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 33.60
STATIC WATER LEVEL (FROM TOC): 21.86
VOLUME OF STATIC WATER: 1.91
GROUNDWATER ELEVATION: —

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: 2" disp. bailer
TIME OF PURGING: 15:27
PURGING RATE: Variable
VOLUME PURGED: 6.0

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time							
pH	7.04	6.99	7.03	7.04			7.04
Temp.	12.57	12.51	12.46	12.57			12.6
Spec. Cond.							
Corr. Cond.	1131	1130	1131	1136			1136
Redox Pot.							
D.O.							
Turbidity							
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 11.74	X 3	5.74
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 0813
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
SAMPLING METHOD: Disp Bailer
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW135
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER: SB2028
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: Overcast
BAROMETRIC PRESSURE: 29.87
WIND DIRECTION: SW 10-15 mph
TEMPERATURE (°F): 66

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 38.85
VOLUME OF STATIC WATER: 1.45
STATIC WATER LEVEL (FROM TOC): 21.98
GROUNDWATER ELEVATION: —

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: 2" disp. bailer
PURGING RATE: Variable
TIME OF PURGING: 1517
VOLUME PURGED: 4.5

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time							
pH	7.12	6.99	7.02	7.01			7.01
Temp.	12.40	12.35	12.27	12.16			12.16
Spec. Cond.							
Corr. Cond.	1479	1520	1430	1402			1402
Redox Pot.							
D.O.							
Turbidity							
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 8.87	X 3	4.34
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/05 0824
SAMPLING METHOD: Disp Bailer
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW10S
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
PROJECT NUMBER: SBE028
ADDRESS:
TELEPHONE:
CONTACT:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: Good
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: Overcast
WIND DIRECTION: W 10-15 mph
BAROMETRIC PRESSURE: 29.86 in
TEMPERATURE (°F): 69

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 31.11
STATIC WATER LEVEL (FROM TOC): 19.17
VOLUME OF STATIC WATER: 1.95
GROUNDWATER ELEVATION: —

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: 2" disp. bailer
TIME OF PURGING: 1457
PURGING RATE: Variable
VOLUME PURGED: 6.0

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time							
pH	6.96	6.74	6.76	6.82			6.82
Temp.	11.59	11.62	11.59	11.60			11.6
Spec. Cond.							
Corr. Cond.	1364	1356	1323	1307			1307
Redox Pot.							
D.O.							
Turbidity							
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 11.94	X 3	5.84
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/05 0844
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
SAMPLING METHOD: Disp Bailer
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW 115
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
PROJECT NUMBER: SBE01B
ADDRESS:
TELEPHONE:
CONTACT:

MONITORING WELL DATA

COORDINATES: N
E
CONDITION OF WELL: Good
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: Overcast
WIND DIRECTION: W 10-15 mph
BAROMETRIC PRESSURE: 29.86 in
TEMPERATURE (°F): 69

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 30.88
STATIC WATER LEVEL (FROM TOC): 19.86
VOLUME OF STATIC WATER: 1.80
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: 2" disp. bailer
PURGING RATE: Variable
TIME OF PURGING: 1444
VOLUME PURGED: 5.5

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time							
pH	7.01	6.78	6.79	6.76			6.76
Temp.	11.97	11.88	11.89	12.05			120°
Spec. Cond.							
Corr. Cond.	1343	1337	1316	1288			1288
Redox Pot.							
D.O.							
Turbidity							
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 11.02	X 3	5.39
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/05 0834
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
SAMPLING METHOD: Disp Bailer
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

Hull & associates, inc.
3401 Glendale Avenue, Suite 300 L Toledo, Ohio 43614

GROUNDWATER MONITORING WELL FIELD DATA SHEET

MONITORING POINT: MW 1
DETECTION:
ASSESSMENT:

FACILITY INFORMATION

NAME: Oliver Plow
ADDRESS:
CONTACT:
PROJECT NUMBER: 5B2028
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:
TOP OF CASING ELEVATION:
TOTAL DEPTH (FROM TOP OF CASING):
SCREENED DEPTH (SCREEN ONLY):

WEATHER CONDITIONS

WEATHER: ~~Sunny~~ Overcast
BAROMETRIC PRESSURE: 29.86 in
WIND DIRECTION: W 10-15 mph
TEMPERATURE (°F): 69

FIELD MEASURED PARAMETERS

PERSONNEL PRESENT: Mike Charchol, John Lang
MEASURED TOTAL DEPTH (FROM TOC): 25.08
VOLUME OF STATIC WATER: 0.86
STATIC WATER LEVEL (FROM TOC): 19.82
GROUNDWATER ELEVATION:

PURGING DATA

DATE OF PURGING: 4/19/05
PURGING METHOD: Disp Bailer
PURGING RATE: Variable
TIME OF PURGING: 1422
VOLUME PURGED: 2.75 gal

WELL VOLUMES PURGED							
	Initial	1	2	3	4	5	6/Final
Time	1422						
pH	7.44	7.21	7.17	7.21			7.21
Temp.	14.09	12.39	12.07	12.18			12.2
Spec. Cond.							
Corr. Cond.	894	915	933	940			940
Redox Pot.							
D.O.							
Turbidity							
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 6.26	X 3	2.57
4	0.653	X	X 3	
6	1.469	X	X 3	

SAMPLING DATA

DATE/TIME OF SAMPLING: 4/20/05 0904
SAMPLING METHOD: Disp Bailer
SAMPLING RATE (IF USING DEDICATED PUMP): <100 ml/min
STATIC WATER LEVEL (AFTER SAMPLING): —

NOTES

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

ATTACHMENT B

Laboratory Analytical Reports

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

Enclosed is the Analytical Report for the following samples submitted to TestAmerica for analysis:

Project: South Bend Indiana SBI028

Sample Number	Sample Description	Date Taken	Date Received
113089	SBI028:MW15S:G042005:509	04/20/2005	04/21/2005
113090	SBI028:MW16S:G042005:509	04/20/2005	04/21/2005
113091	SBI028:MW13S:G042005:509	04/20/2005	04/21/2005
113092	SBI028:MW11S:G042005:509	04/20/2005	04/21/2005
113093	SBI028:MW10S:G042005:509	04/20/2005	04/21/2005
113094	SBI028:MW10S:G042005A:509	04/20/2005	04/21/2005
113095	SBI028:MW12S:G042005:509	04/20/2005	04/21/2005
113096	SBI028:MW1:G042005:509	04/20/2005	04/21/2005
113097	SBI028:HMW18D:G042005:509	04/20/2005	04/21/2005
113098	SBI028:HMW1I:G042005:509	04/20/2005	04/21/2005
113099	SBI028:HMW1D:G042005:509	04/20/2005	04/21/2005
113100	SBI028:HMW18I:G042005:509	04/20/2005	04/21/2005
113101	SBI028:HMW18S:G042005:509	04/20/2005	04/21/2005
113102	SBI028:HMW17D:G042005:509	04/20/2005	04/21/2005
113103	SBI028:HMW17I:G042005:509	04/20/2005	04/21/2005
113104	SBI028:HMW19:G042005:509	04/20/2005	04/21/2005
113105	SBI028:HMW19:G042005A:509	04/20/2005	04/21/2005
113106	SBI028:FB:W042005:509	04/20/2005	04/21/2005
113107	MS of Sample #113097	04/20/2005	04/21/2005
113108	MSD of Sample #113097	04/20/2005	04/21/2005

TestAmerica certifies that the analytical results contained herein apply only to the specific samples analyzed. Reproduction of this report is permitted only in its entirety.

Enclosure

Project Management Approval

Kenneth Hunt

Dayton - 3601 South Dixie Drive, Dayton, OH 45439 937-294-6856/FAX:937-294-7816
Dundee (Chicago) - 1090 Rock Road Lane, Unit 11, Dundee, IL 60118 847-783-4960/FAX:847-783-4969
Indianapolis - 6964 Hillsdale Court, Indianapolis, IN 46250 317-842-4261/FAX:317-842-4286
Pontiac - 341 W. Walton Blvd, Pontiac, MI 48340 248-332-1940/FAX:248-332-5450

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

Enclosed is the Analytical Report for the following samples submitted to TestAmerica for analysis:

Project: South Bend Indiana SBI028

Sample Number	Sample Description	Date Taken	Date Received
113109	SBI028:TB:W042005	04/20/2005	04/21/2005

TestAmerica certifies that the analytical results contained herein apply only to the specific samples analyzed. Reproduction of this report is permitted only in its entirety.

Enclosure

Project Management Approval

Kenneth Hurst

Dayton - 3601 South Dixie Drive, Dayton, OH 45439 937-294-6856/FAX:937-294-7816
Dundee (Chicago) - 1090 Rock Road Lane, Unit 11, Dundee, IL 60118 847-783-4960/FAX:847-783-4969
Indianapolis - 6964 Hillsdale Court, Indianapolis, IN 46250 317-842-4261/FAX:317-842-4286
Pontiac - 341 W. Walton Blvd, Pontiac, MI 48340 248-332-1940/FAX:248-332-5450

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113089
SAMPLE DESCRIPTION SBI028:MW15S:G042005:509
DATE/TIME TAKEN 04/20/2005 08:04

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/28/2005			7872	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/28/2005			7872	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
cis-1,2-Dichloroethene	10.6	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
trans-1,2-Dichloroethene	6.2	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113089	SBI028:MW15S:G042005:509	04/20/2005 08:04

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/28/2005			7872	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/28/2005			7872	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Tetrachloroethene	139	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,1-Trichloroethane	2.2	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,2-Trichloroethane	1.2	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Trichloroethene	26.8	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/28/2005			7872	eap	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	100	%	80-120		04/28/2005			7872	eap	DT	SW 8260B
Surr: Dibromofluoromethane	98	%	86-118		04/28/2005			7872	eap	DT	SW 8260B
Surr: Toluene-d8	99	%	88-110		04/28/2005			7872	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113089
SAMPLE DESCRIPTION SBI028:MW15S:G042005:509
DATE/TIME TAKEN 04/20/2005 08:04

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	102	%	86-115		04/28/2005			7872	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

000006

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113090
SAMPLE DESCRIPTION SBI028:MW16S:G042005:509
DATE/TIME TAKEN 04/20/2005 08:13

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/22/2005			7855	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/22/2005			7855	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
cis-1,2-Dichloroethene	9.5	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
trans-1,2-Dichloroethene	6.1	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113090
SAMPLE DESCRIPTION SBI028:MW16S:G042005:509
DATE/TIME TAKEN 04/20/2005 08:13

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/22/2005			7855	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/22/2005			7855	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Tetrachloroethene	237	ug/L	<50		04/23/2005			7860	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,1-Trichloroethane	1.6	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,2-Trichloroethane	1.2	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Trichloroethene	53.2	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/22/2005			7855	eap	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	91	%	80-120		04/22/2005			7855	eap	DT	SW 8260B
Surr: Dibromofluoromethane	103	%	86-118		04/22/2005			7855	eap	DT	SW 8260B
Surr: Toluene-d8	101	%	88-110		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113090
SAMPLE DESCRIPTION SBI028:MW16S:G042005:509
DATE/TIME TAKEN 04/20/2005 08:13

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	104	%	86-115		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113091	SBI028:MW13S:G042005:509	04/20/2005 08:24

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/27/2005			7866	bmh	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
cis-1,2-Dichloroethene	5.2	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
trans-1,2-Dichloroethene	2.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113091
SAMPLE DESCRIPTION SBI028:MW13S:G042005:509
DATE/TIME TAKEN 04/20/2005 08:24

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Tetrachloroethene	73.3	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,1-Trichloroethane	1.8	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Trichloroethene	18.6	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/27/2005			7866	bmh	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	112	%	80-120		04/27/2005			7866	bmh	DT	SW 8260B
Surr: Dibromofluoromethane	117	%	86-118		04/27/2005			7866	bmh	DT	SW 8260B
Surr: Toluene-d8	99	%	88-110		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113091	SBI028:MW13S:G042005:509	04/20/2005 08:24

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	101	%	86-115		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113092
SAMPLE DESCRIPTION SBI028:MW11S:G042005:509
DATE/TIME TAKEN 04/20/2005 08:34

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/22/2005			7855	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/22/2005			7855	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1-Dichloroethene	1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
cis-1,2-Dichloroethene	32.7	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
trans-1,2-Dichloroethene	4.6	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113092	SBI028:MW11S:G042005:509	04/20/2005 08:34

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/22/2005			7855	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/22/2005			7855	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Tetrachloroethene	190	ug/L	<50		04/23/2005			7860	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,2-Trichloroethane	1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Trichloroethene	41.6	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Vinyl chloride	18.7	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/22/2005			7855	eap	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	91	%	80-120		04/22/2005			7855	eap	DT	SW 8260B
Surr: Dibromofluoromethane	102	%	86-118		04/22/2005			7855	eap	DT	SW 8260B
Surr: Toluene-d8	100	%	88-110		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113092
SAMPLE DESCRIPTION SBI028:MW11S:G042005:509
DATE/TIME TAKEN 04/20/2005 08:34

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	105	%	86-115		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113093
SAMPLE DESCRIPTION SBI028:MW10S:G042005:509
DATE/TIME TAKEN 04/20/2005 08:44

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/27/2005			7866	bmh	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113093
SAMPLE DESCRIPTION SBI028:MW10S:G042005:509
DATE/TIME TAKEN 04/20/2005 08:44

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Tetrachloroethene	269	ug/L	<10		04/28/2005			7870	bmh	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,1-Trichloroethane	15.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Trichloroethene	8.8	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/27/2005			7866	bmh	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	97	%	80-120		04/27/2005			7866	bmh	DT	SW 8260B
Surr: Dibromofluoromethane	97	%	86-118		04/27/2005			7866	bmh	DT	SW 8260B
Surr: Toluene-d8	102	%	88-110		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113093
SAMPLE DESCRIPTION SBI028:MW10S:G042005:509
DATE/TIME TAKEN 04/20/2005 08:44

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	101	%	86-115		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113094
SAMPLE DESCRIPTION SBI028:MW10S:G042005A:509
DATE/TIME TAKEN 04/20/2005 08:44

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/27/2005			7866	bmh	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113094
SAMPLE DESCRIPTION SBI028:MW10S:G042005A:509
DATE/TIME TAKEN 04/20/2005 08:44

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Tetrachloroethene	269	ug/L	<10		04/27/2005			7867	bmh	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,1-Trichloroethane	14.9	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Trichloroethene	10.3	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/27/2005			7866	bmh	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	102	%	80-120		04/27/2005			7866	bmh	DT	SW 8260B
Surr: Dibromofluoromethane	97	%	86-118		04/27/2005			7866	bmh	DT	SW 8260B
Surr: Toluene-d8	101	%	88-110		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113094	SBI028:MW10S:G042005A:509	04/20/2005 08:44

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	103	%	86-115		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113095
SAMPLE DESCRIPTION SBI028:MW12S:G042005:509
DATE/TIME TAKEN 04/20/2005 08:54

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/28/2005			7872	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
2-Butanone (MEK)	16.4	ug/L	<12.5		04/28/2005			7872	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113095	SBI028:MW12S:G042005:509	04/20/2005 08:54

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/28/2005			7872	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/28/2005			7872	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Tetrachloroethene	24.6	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Trichloroethene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/28/2005			7872	eap	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	104	%	80-120		04/28/2005			7872	eap	DT	SW 8260B
Surr: Dibromofluoromethane	104	%	86-118		04/28/2005			7872	eap	DT	SW 8260B
Surr: Toluene-d8	98	%	88-110		04/28/2005			7872	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113095	SBI028:MW12S:G042005:509	04/20/2005 08:54

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	101	%	86-115		04/28/2005			7872	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113096
SAMPLE DESCRIPTION SBI028:MW1:G042005:509
DATE/TIME TAKEN 04/20/2005 09:04

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)				f							
Acetone	<100	ug/L	<100		05/03/2005			7886	bmh	DT	SW 8260B
Benzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
tert-Butylbenzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
sec-Butylbenzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
n-Butylbenzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Bromochloromethane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Bromodichloromethane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Bromoform	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Bromobenzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
2-Butanone (MEK)	<62.5	ug/L	<62.5		05/03/2005			7886	bmh	DT	SW 8260B
Carbon disulfide	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Carbon tetrachloride	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Chlorobenzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Chloroethane	<25	ug/L	<25		05/03/2005			7886	bmh	DT	SW 8260B
2-Chlorotoluene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
4-Chlorotoluene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Chloroform	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Chloromethane	<25	ug/L	<25		05/03/2005			7886	bmh	DT	SW 8260B
Dibromochloromethane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Dibromomethane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Dichlorodifluoromethane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<25	ug/L	<25		05/03/2005			7886	bmh	DT	SW 8260B
1,2-Dichlorobenzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,3-Dichlorobenzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,4-Dichlorobenzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,1-Dichloroethane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,2-Dichloroethane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,1-Dichloroethene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
cis-1,2-Dichloroethene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
trans-1,2-Dichloroethene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,2-Dichloropropane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,3-Dichloropropane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
2,2-Dichloropropane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B

f - Elevated reporting limit due to high levels of target analytes.

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113096
SAMPLE DESCRIPTION SBI028:MW1:G042005:509
DATE/TIME TAKEN 04/20/2005 09:04

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
cis-1,3-Dichloropropene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
trans-1,3-Dichloropropene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Ethylbenzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Hexachlorobutadiene	<25	ug/L	<25		05/03/2005			7886	bmh	DT	SW 8260B
n-Hexane	<25	ug/L	<25		05/03/2005			7886	bmh	DT	SW 8260B
2-Hexanone	<62.5	ug/L	<62.5		05/03/2005			7886	bmh	DT	SW 8260B
Isopropylbenzene (Cumene)	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
p-Isopropyltoluene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Bromomethane	<25	ug/L	<25		05/03/2005			7886	bmh	DT	SW 8260B
Methylene chloride	<25	ug/L	<25		05/03/2005			7886	bmh	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<25	ug/L	<25		05/03/2005			7886	bmh	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<62.5	ug/L	<62.5		05/03/2005			7886	bmh	DT	SW 8260B
n-Propylbenzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Styrene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Naphthalene	<25	ug/L	<25		05/03/2005			7886	bmh	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Tetrachloroethene	5,850	ug/L	<100		04/27/2005			7866	bmh	DT	SW 8260B
Toluene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,2,4-Trichlorobenzene	<25	ug/L	<25		05/03/2005			7886	bmh	DT	SW 8260B
1,1,1-Trichloroethane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,1,2-Trichloroethane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Trichloroethene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Trichlorofluoromethane	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,2,3-Trichloropropane	<25	ug/L	<25		05/03/2005			7886	bmh	DT	SW 8260B
1,2,4-Trimethylbenzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
1,3,5-Trimethylbenzene	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Vinyl acetate	<25	ug/L	<25		05/03/2005			7886	bmh	DT	SW 8260B
Vinyl chloride	<5.0	ug/L	<5.0		05/03/2005			7886	bmh	DT	SW 8260B
Xylenes, Total	<10	ug/L	<10		05/03/2005			7886	bmh	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	84	%	80-120		05/03/2005			7886	bmh	DT	SW 8260B
Surr: Dibromofluoromethane	87	%	86-118		05/03/2005			7886	bmh	DT	SW 8260B
Surr: Toluene-d8	110	%	88-110		05/03/2005			7886	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113096
SAMPLE DESCRIPTION SBI028:MW1:G042005:509
DATE/TIME TAKEN 04/20/2005 09:04

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	94	%	86-115		05/03/2005			7886	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113097
SAMPLE DESCRIPTION SBI028:HMW18D:G042005:509
DATE/TIME TAKEN 04/20/2005 09:34

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/22/2005			7855	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/22/2005			7855	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
cis-1,2-Dichloroethene	1.1	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113097
SAMPLE DESCRIPTION SBI028:HMW18D:G042005:509
DATE/TIME TAKEN 04/20/2005 09:34

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/22/2005			7855	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/22/2005			7855	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Tetrachloroethene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Trichloroethene	17.2	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/22/2005			7855	eap	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	91	%	80-120		04/22/2005			7855	eap	DT	SW 8260B
Surr: Dibromofluoromethane	102	%	86-118		04/22/2005			7855	eap	DT	SW 8260B
Surr: Toluene-d8	102	%	88-110		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113097
SAMPLE DESCRIPTION SBI028:HMW18D:G042005:509
DATE/TIME TAKEN 04/20/2005 09:34

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	104	%	86-115		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113098
SAMPLE DESCRIPTION SBI028:HMW1I:G042005:509
DATE/TIME TAKEN 04/20/2005 09:14

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/28/2005			7872	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/28/2005			7872	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113098	SBI028:HMW1I:G042005:509	04/20/2005 09:14

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/28/2005			7872	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/28/2005			7872	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Tetrachloroethene	4.9	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Trichloroethene	16.3	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/28/2005			7872	eap	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	105	%	80-120		04/28/2005			7872	eap	DT	SW 8260B
Surr: Dibromofluoromethane	102	%	86-118		04/28/2005			7872	eap	DT	SW 8260B
Surr: Toluene-d8	97	%	88-110		04/28/2005			7872	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113098
SAMPLE DESCRIPTION SBI028:HMW1I:G042005:509
DATE/TIME TAKEN 04/20/2005 09:14

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	102	%	86-115		04/28/2005			7872	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113099
SAMPLE DESCRIPTION SBI028:HMW1D:G042005:509
DATE/TIME TAKEN 04/20/2005 09:24

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/22/2005			7855	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/22/2005			7855	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
cis-1,2-Dichloroethene	1.1	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113099
SAMPLE DESCRIPTION SBI028:HMW1D:G042005:509
DATE/TIME TAKEN 04/20/2005 09:24

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/22/2005			7855	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/22/2005			7855	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Tetrachloroethene	10.6	ug/L	<1.0		04/23/2005			7860	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Trichloroethene	15.8	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/22/2005			7855	eap	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	91	%	80-120		04/22/2005			7855	eap	DT	SW 8260B
Surr: Dibromofluoromethane	103	%	86-118		04/22/2005			7855	eap	DT	SW 8260B
Surr: Toluene-d8	101	%	88-110		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113099
SAMPLE DESCRIPTION SBI028:HMW1D:G042005:509
DATE/TIME TAKEN 04/20/2005 09:24

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	105	%	86-115		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113100
SAMPLE DESCRIPTION SBI028:HMW18I:G042005:509
DATE/TIME TAKEN 04/20/2005 09:44

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/28/2005			7872	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/28/2005			7872	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113100
SAMPLE DESCRIPTION SBI028:HMW18I:G042005:509
DATE/TIME TAKEN 04/20/2005 09:44

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/28/2005			7872	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/28/2005			7872	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Tetrachloroethene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,1-Trichloroethane	1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Trichloroethene	12.6	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/28/2005			7872	eap	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/28/2005			7872	eap	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/28/2005			7872	eap	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	108	%	80-120		04/28/2005			7872	eap	DT	SW 8260B
Surr: Dibromofluoromethane	101	%	86-118		04/28/2005			7872	eap	DT	SW 8260B
Surr: Toluene-d8	97	%	88-110		04/28/2005			7872	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113100	SBI028:HMW18I:G042005:509	04/20/2005 09:44

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	101	%	86-115		04/28/2005			7872	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113101
SAMPLE DESCRIPTION SBI028:HMW18S:G042005:509
DATE/TIME TAKEN 04/20/2005 09:54

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/29/2005			7871	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/29/2005			7871	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113101	SBI028:HMW18S:G042005:509	04/20/2005 09:54

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/29/2005			7871	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/29/2005			7871	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Tetrachloroethene	213	ug/L	<50		05/01/2005			7878	jpp	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,1-Trichloroethane	1.4	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,2-Trichloroethane	2.5	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Trichloroethene	5.2	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/29/2005			7871	eap	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	109	%	80-120		04/29/2005			7871	eap	DT	SW 8260B
Surr: Dibromofluoromethane	103	%	86-118		04/29/2005			7871	eap	DT	SW 8260B
Surr: Toluene-d8	97	%	88-110		04/29/2005			7871	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113101
SAMPLE DESCRIPTION SBI028:HMW18S:G042005:509
DATE/TIME TAKEN 04/20/2005 09:54

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	103	%	86-115		04/29/2005			7871	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

000042

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113102	SBI028:HMW17D:G042005:509	04/20/2005 10:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/29/2005			7871	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/29/2005			7871	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
cis-1,2-Dichloroethene	1.2	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113102
SAMPLE DESCRIPTION SBI028:HMW17D:G042005:509
DATE/TIME TAKEN 04/20/2005 10:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/29/2005			7871	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/29/2005			7871	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Tetrachloroethene	3.4	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Trichloroethene	22.4	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/29/2005			7871	eap	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	105	%	80-120		04/29/2005			7871	eap	DT	SW 8260B
Surr: Dibromofluoromethane	101	%	86-118		04/29/2005			7871	eap	DT	SW 8260B
Surr: Toluene-d8	97	%	88-110		04/29/2005			7871	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113102	SBI028:HMW17D:G042005:509	04/20/2005 10:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	101	%	86-115		04/29/2005			7871	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

000045

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113103
SAMPLE DESCRIPTION SBI028:HMW17I:G042005:509
DATE/TIME TAKEN 04/20/2005 10:20

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/29/2005			7871	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/29/2005			7871	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113103	SBI028:HMW17I:G042005:509	04/20/2005 10:20

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/29/2005			7871	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/29/2005			7871	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Tetrachloroethene	11.4	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Trichloroethene	13.9	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/29/2005			7871	eap	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	107	%	80-120		04/29/2005			7871	eap	DT	SW 8260B
Surr: Dibromofluoromethane	102	%	86-118		04/29/2005			7871	eap	DT	SW 8260B
Surr: Toluene-d8	96	%	88-110		04/29/2005			7871	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113103	SBI028:HMW17I:G042005:509	04/20/2005 10:20

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	103	%	86-115		04/29/2005			7871	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

000048

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113104	SBI028:HMW19:G042005:509	04/20/2005 10:30

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/29/2005			7871	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
sec-Butylbenzene	2.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/29/2005			7871	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113104
SAMPLE DESCRIPTION SBI028:HMW19:G042005:509
DATE/TIME TAKEN 04/20/2005 10:30

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/29/2005			7871	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/29/2005			7871	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Tetrachloroethene	61.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Trichloroethene	14.2	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/29/2005			7871	eap	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/29/2005			7871	eap	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/29/2005			7871	eap	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	108	%	80-120		04/29/2005			7871	eap	DT	SW 8260B
Surr: Dibromofluoromethane	104	%	86-118		04/29/2005			7871	eap	DT	SW 8260B
Surr: Toluene-d8	96	%	88-110		04/29/2005			7871	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113104	SBI028:HMW19:G042005:509	04/20/2005 10:30

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	102	%	86-115		04/29/2005			7871	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113105	SBI028:HMW19:G042005A:509	04/20/2005 10:30

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/30/2005			7875	jpp	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
sec-Butylbenzene	1.9	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/30/2005			7875	jpp	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/30/2005			7875	jpp	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/30/2005			7875	jpp	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/30/2005			7875	jpp	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113105
SAMPLE DESCRIPTION SBI028:HMW19:G042005A:509
DATE/TIME TAKEN 04/20/2005 10:30

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/30/2005			7875	jpp	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/30/2005			7875	jpp	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/30/2005			7875	jpp	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/30/2005			7875	jpp	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/30/2005			7875	jpp	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/30/2005			7875	jpp	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/30/2005			7875	jpp	DT	SW 8260B
n-Propylbenzene	2.1	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Naphthalene	8.5	ug/L	<5.0		04/30/2005			7875	jpp	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Tetrachloroethene	42.8	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/30/2005			7875	jpp	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Trichloroethene	11.8	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/30/2005			7875	jpp	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/30/2005			7875	jpp	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/30/2005			7875	jpp	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/30/2005			7875	jpp	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	100	%	80-120		04/30/2005			7875	jpp	DT	SW 8260B
Surr: Dibromofluoromethane	96	%	86-118		04/30/2005			7875	jpp	DT	SW 8260B
Surr: Toluene-d8	96	%	88-110		04/30/2005			7875	jpp	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113105	SBI028:HMW19:G042005A:509	04/20/2005 10:30

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	95	%	86-115		04/30/2005			7875	jpp	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113106
SAMPLE DESCRIPTION SBI028:FB:W042005:509
DATE/TIME TAKEN 04/20/2005 10:40

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/27/2005			7866	bmh	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113106
SAMPLE DESCRIPTION SBI028:FB:W042005:509
DATE/TIME TAKEN 04/20/2005 10:40

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Tetrachloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Trichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/27/2005			7866	bmh	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	114	%	80-120		04/27/2005			7866	bmh	DT	SW 8260B
Surr: Dibromofluoromethane	118	%	86-118		04/27/2005			7866	bmh	DT	SW 8260B
Surr: Toluene-d8	98	%	88-110		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113106
SAMPLE DESCRIPTION SBI028:FB:W042005:509
DATE/TIME TAKEN 04/20/2005 10:40

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	100	%	86-115		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113107
SAMPLE DESCRIPTION MS of Sample #113097
DATE/TIME TAKEN 04/20/2005 09:34

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	55	%	<20.0		04/22/2005			7855	eap	DT	SW 8260B
Benzene	97	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
tert-Butylbenzene	106	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
sec-Butylbenzene	103	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
n-Butylbenzene	102	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Bromochloromethane	78	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromodichloromethane	84	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Bromoform	67	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Bromobenzene	80	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
2-Butanone (MEK)	53	%	<12.5		04/22/2005			7855	eap	DT	SW 8260B
Carbon disulfide	117	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Carbon tetrachloride	92	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chlorobenzene	92	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Chloroethane	72	%	<5.0		04/22/2005			7855	eap	DT	SW 8260B
2-Chlorotoluene	105	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
4-Chlorotoluene	107	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Chloroform	89	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Chloromethane	63	%	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Dibromochloromethane	81	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Dibromomethane	66	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Dichlorodifluoromethane	41	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	42	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
1,2-Dichlorobenzene	90	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,3-Dichlorobenzene	100	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,4-Dichlorobenzene	90	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,1-Dichloroethane	90	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichloroethane	72	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1-Dichloroethene	104	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
cis-1,2-Dichloroethene	92	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
trans-1,2-Dichloroethene	91	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2-Dichloropropane	112	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,3-Dichloropropane	86	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
2,2-Dichloropropane	52	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

000058

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113107
SAMPLE DESCRIPTION MS of Sample #113097
DATE/TIME TAKEN 04/20/2005 09:34

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	101	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
cis-1,3-Dichloropropene	91	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
trans-1,3-Dichloropropene	76	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Ethylbenzene	97	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Hexachlorobutadiene	100	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
n-Hexane	131	%	<5.0		04/22/2005			7855	eap	DT	SW 8260B
2-Hexanone	61	%	<12.5		04/22/2005			7855	jcs	DT	SW 8260B
Isopropylbenzene (Cumene)	107	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
p-Isopropyltoluene	107	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Bromomethane	80	%	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Methylene chloride	83	%	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	66	%	<5.0		04/22/2005			7855	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	55	%	<12.5		04/22/2005			7855	eap	DT	SW 8260B
n-Propylbenzene	108	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Styrene	98	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Naphthalene	20	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
1,1,1,2-Tetrachloroethane	96	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,1,2,2-Tetrachloroethane	69	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Tetrachloroethene	97	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Toluene	102	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,2,4-Trichlorobenzene	53	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
1,1,1-Trichloroethane	87	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,1,2-Trichloroethane	79	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Trichloroethene	94	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Trichlorofluoromethane	95	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
1,2,3-Trichloropropane	60	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
1,2,4-Trimethylbenzene	100	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,3,5-Trimethylbenzene	104	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Vinyl acetate	61	%	<5.0		04/22/2005			7855	eap	DT	SW 8260B
Vinyl chloride	92	%	<1.0		04/22/2005			7855	eap	DT	SW 8260B
Xylenes, Total	98	%	<2.0		04/22/2005			7855	jcs	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	90	%	80-120		04/22/2005			7855	eap	DT	SW 8260B
Surr: Dibromofluoromethane	102	%	86-118		04/22/2005			7855	eap	DT	SW 8260B
Surr: Toluene-d8	102	%	88-110		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113107	MS of Sample #113097	04/20/2005 09:34

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	104	%	86-115		04/22/2005			7855	eap	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

000060

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113108
SAMPLE DESCRIPTION MSD of Sample #113097
DATE/TIME TAKEN 04/20/2005 09:34

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	57	%	<20.0		04/22/2005			7855	jcs	DT	SW 8260B
Benzene	98	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
tert-Butylbenzene	108	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
sec-Butylbenzene	104	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
n-Butylbenzene	109	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Bromochloromethane	78	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Bromodichloromethane	85	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Bromoform	69	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Bromobenzene	82	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
2-Butanone (MEK)	54	%	<12.5		04/22/2005			7855	jcs	DT	SW 8260B
Carbon disulfide	117	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Carbon tetrachloride	91	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Chlorobenzene	93	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Chloroethane	82	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
2-Chlorotoluene	106	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
4-Chlorotoluene	107	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Chloroform	90	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Chloromethane	67	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
Dibromochloromethane	84	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Dibromomethane	67	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Dichlorodifluoromethane	38	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,2-Dibromo-3-chloropropane	48	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
1,2-Dichlorobenzene	93	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,3-Dichlorobenzene	102	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,4-Dichlorobenzene	91	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,1-Dichloroethane	94	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,2-Dichloroethane	73	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,1-Dichloroethene	103	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
cis-1,2-Dichloroethene	92	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
trans-1,2-Dichloroethene	92	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,2-Dichloropropane	112	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,3-Dichloropropane	89	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
2,2-Dichloropropane	56	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113108
SAMPLE DESCRIPTION MSD of Sample #113097
DATE/TIME TAKEN 04/20/2005 09:34

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	102	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
cis-1,3-Dichloropropene	93	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
trans-1,3-Dichloropropene	78	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Ethylbenzene	97	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Hexachlorobutadiene	102	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
n-Hexane	128	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
2-Hexanone	70	%	<12.5		04/22/2005			7855	jcs	DT	SW 8260B
Isopropylbenzene (Cumene)	107	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
p-Isopropyltoluene	109	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Bromomethane	82	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
Methylene chloride	84	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	67	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	59	%	<12.5		04/22/2005			7855	jcs	DT	SW 8260B
n-Propylbenzene	110	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Styrene	100	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Naphthalene	28	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
1,1,1,2-Tetrachloroethane	97	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,1,2,2-Tetrachloroethane	76	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Tetrachloroethene	98	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Toluene	103	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,2,4-Trichlorobenzene	64	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
1,1,1-Trichloroethane	86	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,1,2-Trichloroethane	81	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Trichloroethene	96	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Trichlorofluoromethane	91	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,2,3-Trichloropropane	64	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
1,2,4-Trimethylbenzene	102	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
1,3,5-Trimethylbenzene	106	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Vinyl acetate	64	%	<5.0		04/22/2005			7855	jcs	DT	SW 8260B
Vinyl chloride	93	%	<1.0		04/22/2005			7855	jcs	DT	SW 8260B
Xylenes, Total	99	%	<2.0		04/22/2005			7855	jcs	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	90	%	80-120		04/22/2005			7855	jcs	DT	SW 8260B
Surr: Dibromofluoromethane	101	%	86-118		04/22/2005			7855	jcs	DT	SW 8260B
Surr: Toluene-d8	102	%	88-110		04/22/2005			7855	jcs	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113108	MSD of Sample #113097	04/20/2005 09:34

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	104	%	86-115		04/22/2005			7855	jcs	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113109
SAMPLE DESCRIPTION SBI028:TB:W042005
DATE/TIME TAKEN 04/20/2005

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
Acetone	<20.0	ug/L	<20.0		04/27/2005			7866	bmh	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO. 113109
SAMPLE DESCRIPTION SBI028:TB:W042005
DATE/TIME TAKEN 04/20/2005

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Methylene chloride	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Methyl-tert butyl ether (MTBE)	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/27/2005			7866	bmh	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Tetrachloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Trichloroethene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Vinyl acetate	<5.0	ug/L	<5.0		04/27/2005			7866	bmh	DT	SW 8260B
Vinyl chloride	<1.0	ug/L	<1.0		04/27/2005			7866	bmh	DT	SW 8260B
Xylenes, Total	<2.0	ug/L	<2.0		04/27/2005			7866	bmh	DT	SW 8260B
Surr: 1,2-Dichloroethane-d4	114	%	80-120		04/27/2005			7866	bmh	DT	SW 8260B
Surr: Dibromofluoromethane	118	%	86-118		04/27/2005			7866	bmh	DT	SW 8260B
Surr: Toluene-d8	98	%	88-110		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Analytical Report

Kevin Wildman
HULL & ASSOC. (Dublin)
6397 Emerald Parkway
Suite 200
Dublin, OH 43016

Job Number: 05.07258
Report Date: 05/06/2005

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
113109	SBI028:TB:W042005	04/20/2005

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surr: 4-Bromofluorobenzene	100	%	86-115		04/27/2005			7866	bmh	DT	SW 8260B

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

Chain of Custody

TestAmerica
ANALYTICAL TESTING CORPORATION

000067

5.07258

Hull & associates, inc.

CHAIN OF CUSTODY RECORD

NO. 6313

☒ Dublin, OH — 6397 Emerald Parkway, Suite 200, Dublin, OH 43016, Phone: (614)793-8777, Fax: (614)793-9070
☐ Indianapolis, IN — 6330 E. 75th St., Suite 174, Indianapolis, IN 46250, Phone: (317)558-0558, Fax: (317)558-0553
☐ Mason, OH — 4900 Parkway Dr., Suite 100, Mason, OH 45040, Phone: (513)459-9677, Fax: (513)459-9869
☐ Solon, OH — 6161 Cochran Road, Suite A, Solon, OH 44139, Phone: (440)519-2555, Fax: (440)519-2560
☐ Toledo, OH — 3401 Glendale Ave., Suite 300, Toledo, OH 43614, Phone: (419)385-2018, Fax: (419)385-5487

REPORT TO: Kevin Wildman

Client: City of South Bend
Site: Oliver Plow
Project #: SBI028 Phase: 01. DRL
Samplers: M. Charchol, J Lang

SAMPLE TYPES: A-AIR, C-ASBESTOS, D-SEDIMENT, G-GROUNDWATER, P-PRODUCT, S-SOIL, W-WATER, Z-OTHERS

PRESERVATIVES: A - Cool only, <4 deg. C; B - HNO_3 pH<2; C - H_2SO_4 pH<2; D - NaOH pH>12; E - ZnAcetate + NaOH, pH>9; F - $Na_2S_2O_3$ (0.008%); G - HCL pH<2

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

All samples are kept at 4 degrees Celsius.

ANALYSES / PRESERVATIVES: G; VOC

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	VOC	COMMENTS
SBI028	MW15S	6042005 : 509	3	-	4-20-05 / 0804	3	Indiana
SBI028	MW16S	6042005 : 509	3	-	4-20-05 / 0813	3	Level 4 reporting
SBI028	MW13S	6042005 : 509	3	-	4-20-05 / 0824	3	is needed
SBI028	MW11S	6042005 : 509	3	-	4-20-05 / 0834	3	
SBI028	MW10S	6042005 : 509	3	-	4-20-05 / 0844	3	Extra samples for
SBI028	MW10S	6042005A : 509	3	-	4-20-05 / 0844	3	MS/MSD, MS/Dup
SBI028	MW12S	6042005 : 509	3	-	4-20-05 / 0854	3	Taken on HMW1BD
SBI028	MW1	6042005 : 509	3	-	4-20-05 / 0904	3	
SBI028	HMW1BD	6042005 : 509	9	-	4-20-05 / 0924	9	
SBI028	HMW1I	6042005 : 509	3	-	4-20-05 / 0914	3	
SBI028	HMW1D	6042005 : 509	3	-	4-20-05 / 0924	3	
SBI028	HMW1BI	6042005 : 509	3	-	4-20-05 / 0944	3	

RELINQUISHED BY: [signature]	DATE: 4/20/05 TIME: 1330	RECEIVED BY: FEDEX	DATE: 4/20/05 TIME: 1330
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:	DATE: TIME:
RELINQUISHED BY:	DATE: TIME:	RECEIVED FOR LAB BY: P. Whitehead	DATE: 4-21-05 TIME: 10:00

COOLER TEMPERATURE AS RECEIVED: 2.5°C on ice

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

Deliver To: TestAmerica
Method of Delivery: FedEx
Airbill Number: 8473 6282 1875
NOTES:

TURN AROUND TIME: 14 DAYS

Hull & associates, inc.

CHAIN OF CUSTODY RECORD

NO. 6396

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

☐ Indianapolis, IN
6330 E. 75th St.
Suite 174
Indianapolis, IN 46250
Phone: (317)558-0558
Fax: (317)558-0553

☐ Mason, OH
4900 Parkway Dr.
Suite 100
Mason, OH 45040
Phone: (513)459-9677
Fax: (513)459-9869

☐ Solon, OH
6161 Cochran Road
Suite A
Solon, OH 44139
Phone: (440)519-2555
Fax: (440)519-2560

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

REPORT TO: Kevin Willman

Client: City of South Bend
Site: Oliver Plow
Project #: SBI028 Phase: OL DRL
Samplers: M. Charchol, J Lang

SAMPLE TYPES: A - AIR; C - ASBESTOS; D - SEDIMENT; G - GROUNDWATER; P - PRODUCT; S - SOIL; W - WATER; Z - OTHER3

PRESERVATIVES: A - Cool only, <4 deg. C; B - HNO_3 pH<2; C - H_2SO_4 pH<2; D - NaOH pH>12; E - ZnAcetate + NaOH, pH>9; F - $Na_2S_2O_3$ (0.008%); G - HCL pH <2

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

All samples are kept at 4 degrees Celsius.

ANALYSES

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	PRESERVATIVES: G										COMMENTS
SBI028	HMW18S	G042005 : 509	3	–	4-20-05 / 0954	3										
SBI028	HMW17D	G042005 : 509	3	–	4-20-05 / 1010	3										
SBI028	HMW17I	G042005 : 509	3	–	4-20-05 / 1020	3										
SBI028	HMW19	G042005 : 509	3	–	4-20-05 / 1030	3										
SBI028	HMW19	G042005A : 509	3	–	4-20-05 / 1030	3										
SBI028	FB	W042005 : 509	3	–	4-20-05 / 1040	3										
SBI028	TB	W042005	2	–	4-20-05 / –	2										
	:	:			/											
	:	:			/											
	:	:			/											
	:	:			/											
	:	:			/											

RELINQUISHED BY: [signature]	DATE: 4/20/05 TIME: 1330	RECEIVED BY: FEDEX	DATE: 4/20/05 TIME: 1330
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:	DATE: TIME:
RELINQUISHED BY:	DATE: TIME:	RECEIVED FOR LAB BY: J. Whitaker	DATE: 4/21/05 TIME: 10:00

COOLER TEMPERATURE AS RECEIVED: 2.5°C

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

Deliver To: TEST AMERICA
Method of Delivery: FEDEX
Airbill Number:
NOTES:

TURN AROUND TIME: 14 DAYS

ATTACHMENT C

Boring Logs

Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-08-2005
Date Completed	: 04-08-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 48.0'

LOG OF BORING HMW-1I

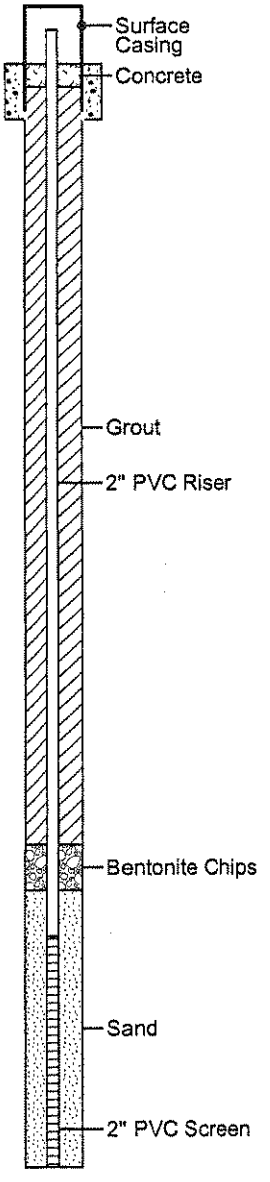
PID Calibration	: 04-08-2005
PID Model	: Photovac 2020

Soil Samples
- Sample Interval
- Lab Sample

Water Levels
- Static
- During drilling

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")		Samples	GRAPHIC	DESCRIPTION
0							Straigt Drill to 48' to set monitoring well. See Boring log HMW-1D for geology.
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							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							

Well: HMW-1I
Elevation: 721.90



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-07-2005
Date Completed	: 04-07-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 78.0'

LOG OF BORING HMW-1D

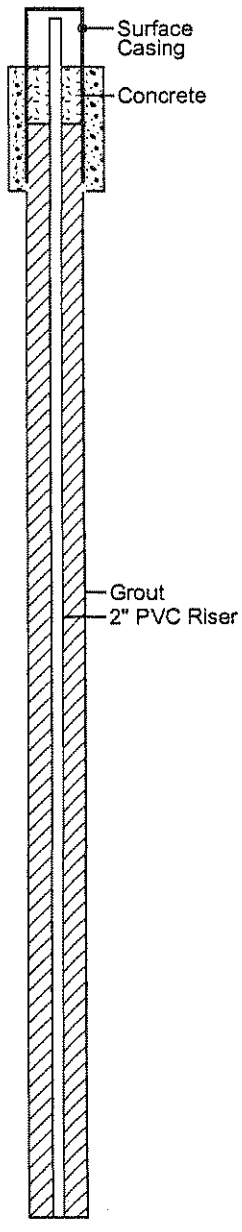
PID Calibration	: 04-07-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
0	SS-1 0.0-0.3	0.0	50/4			Black silty sand FILL, some slag, slightly moist.
1						
2	SS-2 2.0-3.6	0.0	3-4-2			Same as above, brick and coal fragments noted, moist at end of sample.
3						
4	SS-3 4.0-5.6	0.0	2-5-3			Same as above.
5						Brown fine to medium SAND, few silt, trace gravel, moist.
6	SS-4 6.0-7.6	0.0	3-9-6			Same as above, becoming light brown in color at end of sample.
7						
8	SS-5 8.0-9.5	0.0	2-5-2			Same as above.
9						
10	SS-6 10.0-11.0	0.0	2-6-6			Same as above, few gravel.
11						
12	SS-7 12.0-13.0	0.0	6-27-15			Same as above, trace silt.
13						
14	SS-8 14.0-15.0	1.4	7-20-20			Same as above, trace clay.
15						
16	SS-9 16.0-17.0	12.2	6-17-13			
17						Same as above, wet, no clay.
18	SS-10 18.0-19.0	16.8	6-18-20			Same as above.
19						
20						

Well: HMW-1D
Elevation: 722.14



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-07-2005
Date Completed	: 04-07-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 78.0'

LOG OF BORING HMW-1D

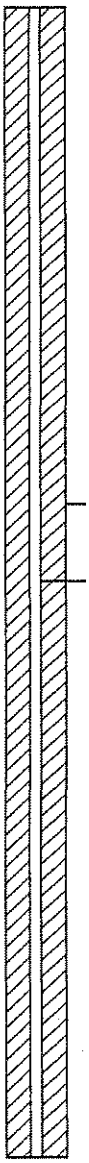
PID Calibration	: 04-07-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Well: HMW-1D
Elevation: 722.14

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
20	SS-11 20.0-21.6	10.2	4-8-5			Same as above, trace gravel.
21						
22	SS-12 22.0-24.0	8.6	4-10-3			Same as above.
23						
24	SS-13 24.0-26.0	4.7	4-12-11			Same as above.
25						
26	SS-14 26.0-28.0	1.8	4-14-6			Same as above, some gravel at end of sample.
27						
28	SS-15 28.0-29.0	1.2	4-10-10			Same as above.
29						
30	SS-16 30.0-31.0	0.8	7-16-10			Same as above, few gravel.
31						
32	SS-17 32.0-33.0	0.6	6-15-10			Same as above.
33						
34	SS-18 34.0-35.0	1.2	3-11-9			Same as above.
35						
36			3-16-15			NO RECOVERY
37						
38	SS-19 38.0-38.5	1.1	8-26-21			Same as above, broken cobbles noted.
39						
40						



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-07-2005
Date Completed	: 04-07-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 78.0'

LOG OF BORING HMW-1D

PID Calibration	: 04-07-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Well: HMW-1D
Elevation: 722.14

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
40	SS-20 40.0-41.0	0.0	3-8-9	X		Same as above.
41						
42			5-18-13			NO RECOVERY
43						
44			6-14-6			NO RECOVERY
45						
46	SS-21 46.0-47.0	0.5	5-11-6	X		Same as above.
47						
48			6-13-9			NO RECOVERY
49						
50	SS-22 50.0-51.0	0.5	5-13-12	X		Same as above, trace gravel.
51						
52	SS-23 52.0-53.0	0.3	6-16-17	X		Same as above, increase silt with depth.
53						
54	SS-24 54.0-55.0	0.6	8-27-25	X		Same as above.
55						
56	SS-25 56.0-57.5	4.4	8-27-18	X		Same as above.
57						
58	SS-26 58.0-59.5	3.6	7-16-10	X		Same as above.
59						
60						

07-25-2005 F:\CLIENTS\SBI\SBI028\LOGS\HMW1D.bor

Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-07-2005
Date Completed	: 04-07-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 78.0'

LOG OF BORING HMW-1D

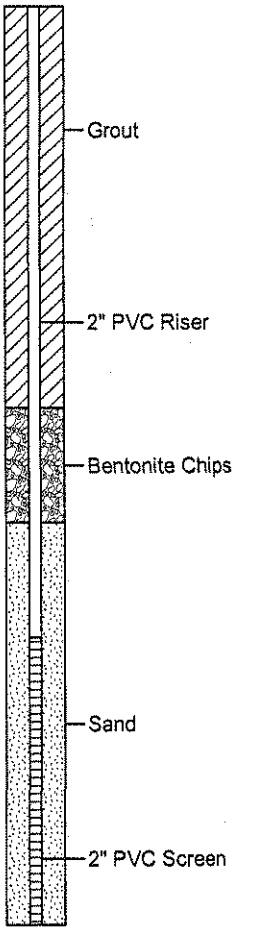
PID Calibration	: 04-07-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Well: HMW-1D
Elevation: 722.14

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
60	SS-27 60.0-61.0	2.2	6-18-13			Same as above.
61						
62	SS-28 62.0-62.5	0.6	15-18-50/2			Same as above, increase fine sand.
63						
64	SS-29 64.0-65.5	0.4	8-22-17			Same as above.
65						
66	SS-30 66.0-67.0	0.6	13-29-12			Same as above.
67						
68	SS-31 68.0-69.0	0.3	7-26-20			Same as above.
69						
70	SS-32 70.0-71.0	0.4	10-26-18			Same as above.
71						
72	SS-33 72.0-73.3	0.8	10-16-50/3			Same as above.
73						
74	SS-34 74.0-76.0	0.2	8-17-13			Same as above.
75						Brown silty CLAY, few sand, trace gravel, moist.
76	SS-35 76.0-77.0	0.6	7-27-23			Same as above, grey in color.
77						
78						
79						
80						



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-08-2005
Date Completed	: 04-08-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 48.0'

LOG OF BORING HMW-17I

(Page 1 of 1)

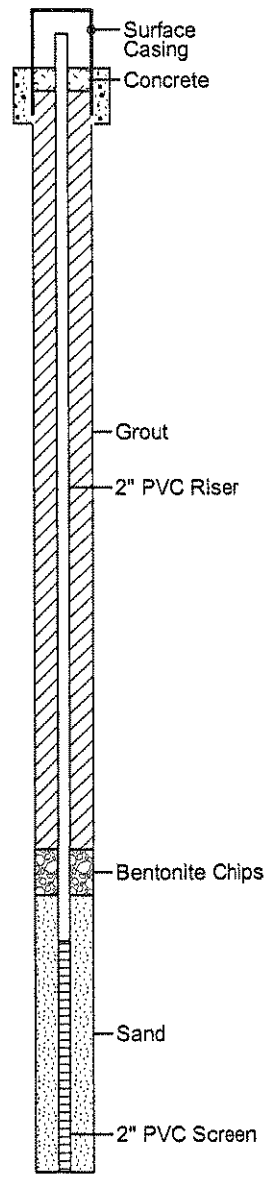
PID Calibration	: 04-08-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")		Samples	GRAPHIC	DESCRIPTION
0							Straigt Drill to 48' to set monitoring well. See Boring log HMW-17D for geology.
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							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							

Well: HMW-17I
Elevation: 721.90



07-25-2005 F:\CLIENTS\SBI\SBI028\LOGS\HMW17I.bor

Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-07-2005
Date Completed	: 04-07-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 89.5'

LOG OF BORING HMW-17D

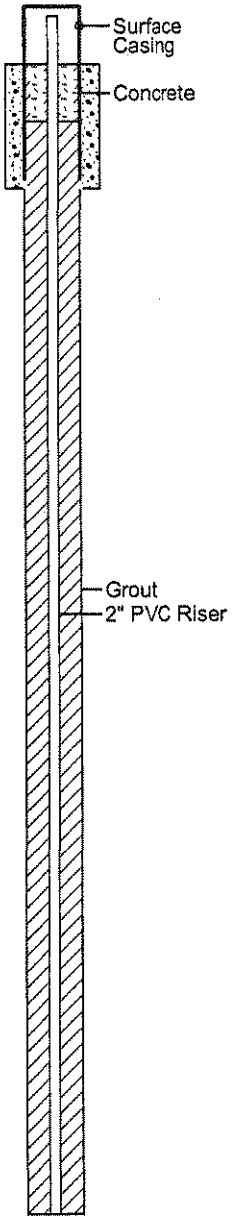
PID Calibration	: 04-07-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
0–1	SS-1 0.0-1.5	4.2	4-12-7	X		Black silty sand FILL, few gravel, slightly moist, brick and slag fragments noted.
2–3	SS-2 2.0-3.0	4.8	3-6-4	X		Brown fine to medium SAND, few silt, trace gravel, moist.
4–5	SS-3 4.0-5.5	5.3	3-6-3	X		Same as above, trace silt, light brown in color.
6–7	SS-4 6.0-7.3	5.1	5-15-9	X		Same as above, increase moisture with depth.
8–9	SS-5 8.0-9.5	5.0	3-11-5	X		Same as above, increase gravel with depth.
10–11	SS-6 10.0-11.5	4.9	3-11-6	X		Same as above, very moist, few gravel.
12–13	SS-7 12.0-13.0	4.7	4-15-13	X		Same as above, slightly moist, very densely packed.
14–15	SS-8 14.0-15.0	5.1	4-11-9	X		Same as above, less dense.
16–17	SS-9 16.0-17.0	5.4	4-13-13	X		Same as above, wet.
18–19	SS-10 18.0-19.5	5.6	6-13-10	X		Same as above.
20						

Well: HMW-17D
Elevation: 721.78



07-25-2005 F:\CLIENTS\SBI\SBI028\LOGS\HMW17D.bor

Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-07-2005
Date Completed	: 04-07-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 89.5'

LOG OF BORING HMW-17D

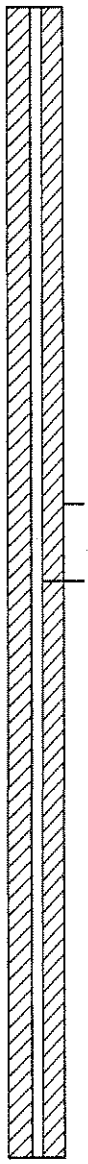
PID Calibration	: 04-07-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Well: HMW-17D
Elevation: 721.78

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
20	SS-11 20.0-22.0	5.4	6-13-9			Same as above, trace gravel.
21						
22	SS-12 22.0-23.0	4.8	4-11-8			Same as above, few gravel.
23						
24	SS-13 24.0-25.0	4.9	3-6-4			Same as above.
25						
26	SS-14 26.0-27.5	5.2	3-12-12			Same as above.
27						
28	SS-15 28.0-29.5	4.9	6-13-9			Same as above, black staining noted at end of spoon, coal fragments noted.
29						
30	SS-16 30.0-31.0	5.3	3-12-5			Same as above.
31						
32	SS-17 32.0-33.0	5.2	7-18-14			Same as above, clay nodules noted.
33						
34	SS-18 34.0-35.0	4.9	4-15-10			Same as above, no clay.
35						
36	SS-19 36.0-37.0	4.7	7-18-12			Same as above, 1" clay at end of sample.
37						
38	SS-20 38.0-39.0	5.1	7-18-14			Same as above, clay nodules noted.
39						
40						



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-07-2005
Date Completed	: 04-07-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 89.5'

LOG OF BORING HMW-17D

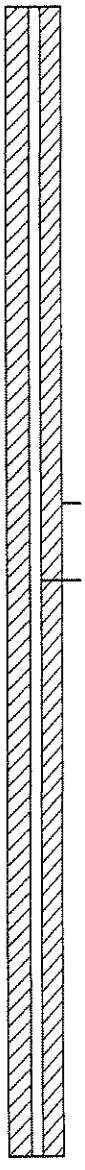
PID Calibration	: 04-07-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Well: HMW-17D
Elevation: 721.78

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
40	SS-21 40.0-41.0	5.2	6-9-4	X		Same as above, tray clay nodules noted.
41						
42	SS-22 42.0-43.0	4.8	4-13-10	X		Same as above, no clay.
43						
44			9-18-13			NO RECOVERY
45						
46	SS-23 46.0-47.0	4.9	5-13-10	X		Same as above, trace gravel.
47						
48			6-13-11			NO RECOVERY
49						
50			6-15-10			NO RECOVERY
51						
52			5-12-8			NO RECOVERY
53						
54	SS-24 54.0-54.5	5.1	5-9-6	X		Same as above.
55						
56	SS-25 56.0-57.0	5.2	6-10-8			Same as above.
57						
58			8-22-10			NO RECOVERY
59						
60						



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-07-2005
Date Completed	: 04-07-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 89.5'

LOG OF BORING HMW-17D

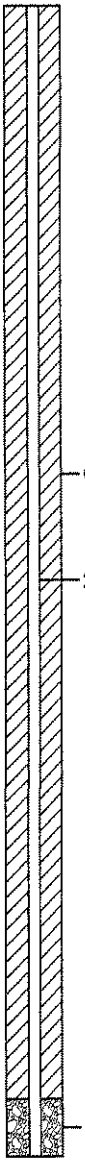
PID Calibration	: 04-07-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Well: HMW-17D
Elevation: 721.78

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
60	SS-26 60.0-60.5	4.6	6-18-8			Same as above.
61						
62			10-20-11			NO RECOVERY
63						
64			8-21-10			NO RECOVERY
65						
66	SS-27 66.0-67.0	5.1	8-16-8			Same as above, fine sand.
67						
68			8-22-14			NO RECOVERY
69						
70	SS-28 70.0-71.0	5.4	10-19-10			Same as above.
71						
72	SS-29 72.0-73.0	5.1	10-33-12			Same as above, increase gravel and trace of clay at end of spoon.
73						
74	SS-30 74.0-75.5	5.3	10-26-16			Same as above, large size gravel noted at end of spoon.
75						
76	SS-31 76.0-77.0	4.8	17-37-19			Same as above, no clay, few gravel.
77						
78	SS-32 78.0-79.0	4.9	10-26-16			Same as above.
79						
80						



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-07-2005
Date Completed	: 04-07-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 89.5'

LOG OF BORING HMW-17D

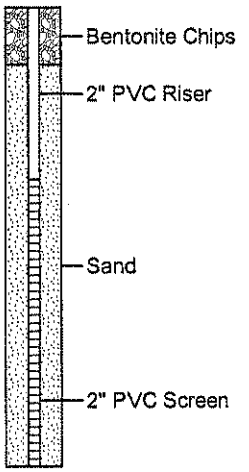
PID Calibration	: 04-07-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Well: HMW-17D
Elevation: 721.78

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
80	SS-33 80.0-81.0	5.1	15-30-17	X		Same as above.
81						
82			13-23-12			
83						
84			14-31-17			NO RECOVERY
85						
86			17-27-20			NO RECOVERY
87						
88	SS-34 88.0-89.5	4.8	18-39-18	X		Grey silty CLAY, trace sand and gravel, slightly moist, slightly plastic.
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-06-2005
Date Completed	: 04-06-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 27.0'

LOG OF BORING HMW-18S

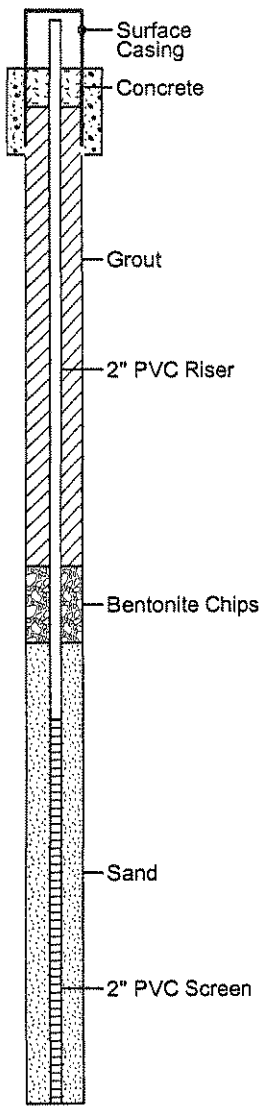
PID Calibration	: 04-06-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
0–4						Straight drill to 5 feet.
5–6	SS-1 5.0-6.0	11.7	5-6-2	☒		Black silty sand FILL, few gravel, moist, slag noted, slight solvent odor.
7–8	SS-2 7.0-8.0	14.3	3-7-2	☒		Brown to light brown fine to medium SAND, trace silt, trace gravel, moist to very moist, grey staining at end of spoon.
9–10	SS-3 9.0-10.	28.5	3-9-7	☒		Same as above, black and grey staining bands noted.
11–12	SS-4 11.0-12.0	6.1	8-26-17	☒		Same as above, no staining, decrease in moisture to moist/slightly moist, few gravel.
13–14	SS-5 13.0-14.0	5.2	9-22-10	☒		Same as above.
15–27						Straight drill to 27 feet.
28–30						

Well: HMW-18S
Elevation: 722.27



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-06-2005
Date Completed	: 04-06-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 48.0'

LOG OF BORING HMW-18I

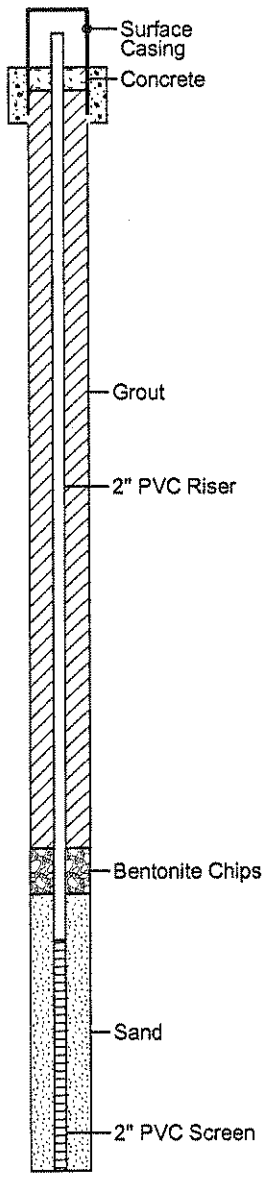
PID Calibration	: 04-06-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
0–4						Straight drill to 5 feet.
5–6	SS-1 5.0-6.0	5.2	3-10-5	☒		Brown fine to medium SAND, trace gravel and silt, moist.
7–8	SS-2 7.0-8.5	4.3	6-15-9	☒		Same as above.
9–10	SS-3 9.0-10.0	6.2	3-9-9	☒		Same as above, layering noted from brown to light brown, moist to very moist.
11–12	SS-4 11.0-12.5	6.1	4-16-14	☒		Same as above, moist, few gravel.
13–14	SS-5 13.0-14.0	5.9	10-26-16	☒		Same as above.
15–48						Straight drill to 48 feet.
49–50						

Well: HMW-18I
Elevation: 722.50



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-05-2005
Date Completed	: 04-05-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 88.0'

LOG OF BORING HMW-18D

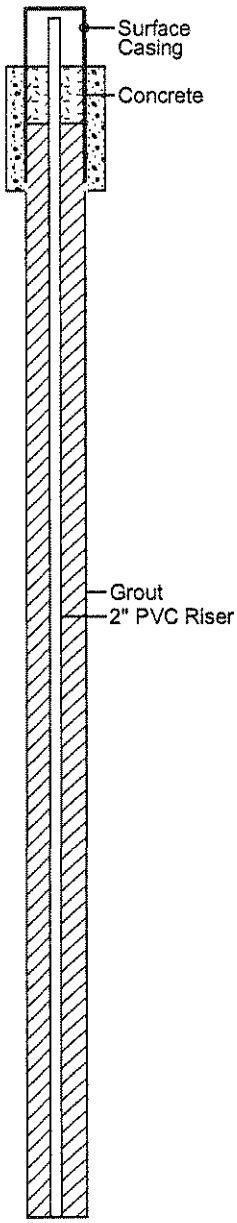
PID Calibration	: 04-05-2005
PID Model	: Photovac 2020

Soil Samples: Sample interval; Lab Sample

Water Levels: Static; During drilling

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
0	SS-1 0.0-2.0	0.6	3-8-5			Black silty sand FILL, some slag, slightly moist.
2	SS-2 2.0-3.0	0.8	2-6-4			Brown fine to medium SAND, few silt, slightly moist.
4	SS-3 4.0-5.0	0.9	3-9-5			Same as above, trace gravel.
6	SS-4 6.0-7.5	1.2	4-13-6			Same as above, becoming light brown in color, trace silt.
8	SS-5 8.0-9.5	20.4	8-7-2			Same as above, becoming grey to black in color, strong solvent odor, moist.
10	SS-6 10.0-11.0	32.6	4-13-9			Same as above becoming brown to light brown in color.
12	SS-7 12.0-13.0	8.9	6-16-10			Same as above.
14	SS-8 14.0-15.0	6.1	4-16-13			Same as above, few gravel.
16	SS-9 16.0-17.0	6.4	4-13-9			Same as above, wet.
18	SS-10 18.0-19.0	4.0	6-17-15			Same as above, trace gravel.

Well: HMW-18D
Elevation: 722.37



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-05-2005
Date Completed	: 04-05-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 88.0'

LOG OF BORING HMW-18D

PID Calibration	: 04-05-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Well: HMW-18D
Elevation: 722.37

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
20	SS-11 20.0-21.5	4.3	2-8-5			Same as above.
21						
22	SS-12 22.0-24.0	5.1	2-9-5			Same as above, trace gravel.
23						
24	SS-13 24.0-26.0	4.6	3-6-4			Same as above.
25						
26	SS-14 26.0-27.0	4.5	6-17-15			Same as above.
27						
28	SS-15 28.0-29.0	5.4	3-11-12			Same as above.
29						
30	SS-16 30.0-31.0	5.7	4-11-10			Same as above.
31						
32	SS-17 32.0-33.5	4.8	4-14-11			Same as above.
33						
34	SS-18 34.0-35.5	5.1	5-14-9			Same as above.
35						
36	SS-19 36.0-38.0	5.7	6-18-10			Same as above, few clay at end of sample.
37						
38	SS-20 38.0-38.5	4.9	6-15-15			Same as above, no clay.
39						
40						

Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-05-2005
Date Completed	: 04-05-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 88.0'

LOG OF BORING HMW-18D

PID Calibration	: 04-05-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Well: HMW-18D
Elevation: 722.37

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
40	SS-21 40.0-41.0	5.4	3-9-7			Same as above.
41						
42	SS-22 42.0-43.5	4.9	6-15-11			Same as above.
43						
44	SS-23 44.0-45.5	5.1	7-18-11			Same as above, trace gravel.
45						
46	SS-24 46.0-47.0	5.3	8-20-15			Same as above.
47						
48	SS-25 48.0-49.0	5.6	6-13-9			Same as above.
49						
50	SS-26 50.0-50.5	5.5	6-17-15			Same as above.
51						
52	SS-27 52.0-53.0	5.7	8-23-13			Same as above.
53						
54	SS-28 54.0-55.0	5.4	8-17-11			Same as above, iron staining noted at end of sample, some clay at end of sample.
55						
56			10-30-17			NO RECOVERY
57						
58	SS-29 58.0-58.5	5.2	10-22-12			Same as above, some silt and clay.
59						
60						

Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-05-2005
Date Completed	: 04-05-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 88.0'

LOG OF BORING HMW-18D

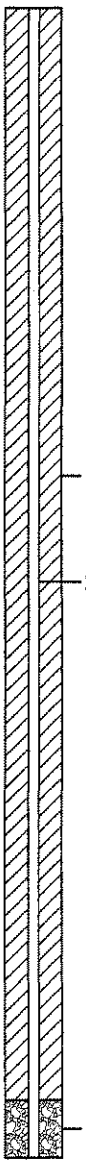
PID Calibration	: 04-05-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Well: HMW-18D
Elevation: 722.37

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
60			10-26-14			NO RECOVERY
61						
62	SS-30 62.0-62.5	5.4	12-23-10			Same as above, no clay, trace silt, trace gravel, fine to very fine sand.
63						
64			15-22-17			NO RECOVERY
65						
66	SS-31 66.0-66.6	4.9	19-50/3	☒		Same as above.
67						
68	SS-32 68.0-68.5	4.7	7-36-36	☒		Same as above.
69						
70	SS-33 70.0-72.0	5.2	8-26-33	☒		Same as above.
71						
72						NO RECOVERY
73						
74						NO RECOVERY
75						
76						NO RECOVERY
77						
78	SS-34 78.0-79.0	4.8		☒		Same as above.
79						
80						



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-05-2005
Date Completed	: 04-05-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 88.0'

LOG OF BORING HMW-18D

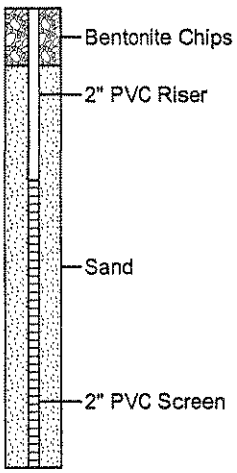
PID Calibration	: 04-05-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Well: HMW-18D
Elevation: 722.37

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
80	SS-35 80.0-81.0	5.3	10-27-16	X		Same as above.
81						
82	SS-36 82.0-83.0	4.9	24-36-16	X		Same as above.
83						
84	SS-37 83.0-85.0	5.2	15-34-15	X		Same as above.
85						
86	SS-38 86.0-87.8	5.1	18-37-18	X		Same as above.
87						Grey silty CLAY, few sand, trace gravel, slightly moist, very stiff.
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						



Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-05-2005
Date Completed	: 04-05-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 37.0'

LOG OF BORING HMW-19

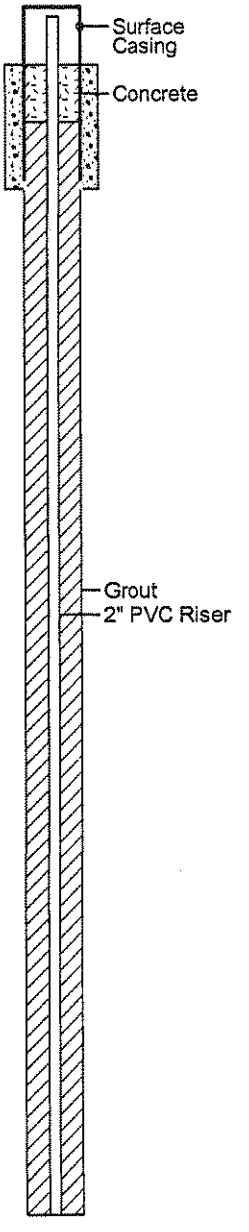
PID Calibration	: 04-05-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	DESCRIPTION
0	SS-1 0.0-0.5	0.2	2-5-4	Dark brown silty sand FILL, moist, slag fragments noted.
2	SS-2 2.0-2.6	0.3	7-50/2	Same as above, large slag fragments noted.
4	SS-3 4.0-5.0	0.6	4-13-6	Same as above, slag fragments noted.
6	SS-4 6.0-7.0	0.2	13-37-28	Same as above, slag and brick fragments noted.
8	SS-5 8.0-8.1	0.4	50/2	Same as above, slag noted.
10	SS-6 10.0-11.5	0.8	7-24-21	Same as above, slag and brick fragments noted.
12	SS-7 12.0-12.5	1.2	7-50/3	Same as above, wet.
14	SS-8 14.0-15.0	2.3	6-16-10	Brown fine to medium SAND, trace gravel and silt, slightly moist.
16	SS-9 16.0-17.5	4.3	8-22-11	Same as above, wet.
18	SS-10 18.0-19.5	13.1	3-10-7	Same as above, slightly grey in color.

Well: MW-19
Elevation: 721.26



07-25-2005 F:\CLIENTS\SBI\SBI028\LOGS\HMW19.bor

Hull & associates, inc.

Additional Phase II Assessment
Former Oliver Plow Works-Area C
533 Chapin Street
South Bend, Indiana
SBI028

Date Started	: 04-05-2005
Date Completed	: 04-05-2005
Logged By	: M. Young
Reviewed By	: T. Baehr
Drilling Contractor	: D&T Drilling
Drilling Method	: 4.25 HSA
Sampling Method	: Split Spoon
Total Depth	: 37.0'

LOG OF BORING HMW-19

PID Calibration	: 04-05-2005
PID Model	: Photovac 2020

Soil Samples: Sample Interval; Lab Sample

Water Levels: Static; During drilling

Well: MW-19
Elevation: 721.26

Depth in Feet	Sample Number/ Sample Interval (ft.)	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION
20	SS-11 20.0-21.0	20.6	3-12-6			Same as above.
21						
22	SS-12 22.0-24.0	204	4-13-8			Same as above, dark grey in color at end of sample, strong solvent odor noted.
23						
24	SS-13 24.0-26.0	219	5-12-9			Same as above.
25						
26	SS-14 26.0-28.0	197	5-11-6			Same as above.
27						
28	SS-15 28.0-30.0	206	5-13-6			Same as above, very strong solvent odor noted.
29						
30	SS-16 30.0-31.0	128	4-8-5			Same as above.
31						
32	SS-17 32.0-34.0	136	6-17-16			Same as above, becoming brown in color, few gravel.
33						
34	SS-18 34.0-35.0	58	6-18-15			Same as above.
35						
36	SS-19 36.0-37.0	12	6-17-14			Grey silty CLAY, trace sand, trace gravel, slightly moist, slightly plastic.
37						
38						
39						
40